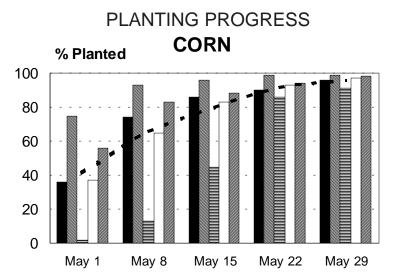
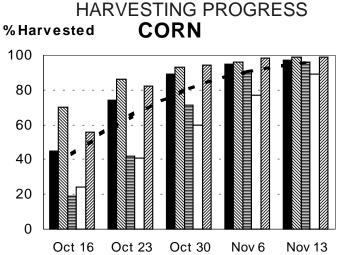
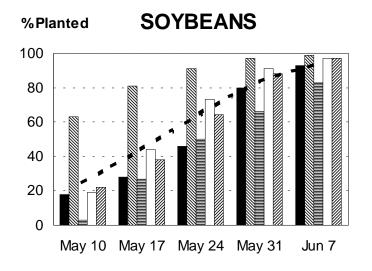
CROPS: Average Completion Dates for Planting and Harvesting, Minnesota, 1999-2003

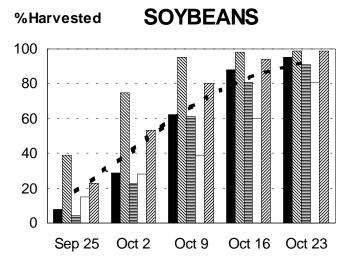
		Date P	lanting Co	mpleted		Date Harvesting Completed				
Crop and			Percent					Percent		
Year	10	25	50	75	90	10	25	50	75	90
Corn				,						
2003	Apr 23	Apr 27	May 01	May 04	May 17	Sep 28	Oct 08	Oct 15	Oct 21	Oct 26
2002	Apr 24	Apr 29	May 04	May 11	May 19	Oct 07	Oct 17	Oct 27	Nov 05	Nov 14
1999-2003	Apr 24	Apr 28	May 03	May 13	May 20	Oct 03	Oct 10	Oct 19	Oct 27	Nov 04
Soybeans										
2003	May 03	May 12	May 21	May 27	Jun 01	Sep 21	Sep 26	Oct 02	Oct 08	Oct 13
2002	May 07	May 13	May 19	May 25	May 31	Sep 23	Sep 29	Oct 14	Oct 20	Nov 01
1999-2003	May 03	May 10	May 19	May 28	Jun 04	Sep 22	Sep 28	Oct 04	Oct 12	Oct 20
Spring Wheat					*					
2003	Apr 15	Apr 19	Apr 29	May 04	May 12	Aug 02	Aug 07	Aug 14	Aug 21	Aug 26
2002	Apr 29	May 05	May 16	May 23	May 26	Aug 03	Aug 09	Aug 19	Aug 30	Sep 08
1999-2003	Apr 19	Apr 28	May 06	May 19	May 28	Aug 03	Aug 09	Aug 17	Aug 25	Sep 04
Dats			<u> </u>		·		-	-	-	
2003	Apr 16	Apr 21	Apr 28	May 03	May 12	Jul 26	Jul 30	Aug 06	Aug 13	Aug 19
2002	Apr 15	Apr 24	May 02	May 12	May 23	Jul 23	Jul 30	Aug 08	Aug 17	Aug 27
1999-2003	Apr 13	Apr 23	May 02	May 11	May 22	Jul 25	Aug 01	Aug 07	Aug 15	Aug 24
Barley			-	,	*		-	-		-
2003	Apr 18	Apr 28	May 02	May 08	May 13	Jul 30	Aug 05	Aug 10	Aug 16	Aug 21
2002	Apr 26	May 04	May 18	May 24	May 28	Aug 04	Aug 08	Aug 19	Aug 25	Sep 03
1999-2003	Apr 24	Apr 30	May 09	May 21	May 30	Jul 31	Aug 06	Aug 13	Aug 22	Sep 01
Potatoes					,					
2003	Apr 23	Apr 27	May 03	May 16	Jun 01	Aug 15	Aug 23	Sep 22	Oct 04	Oct 15
2002	Apr 22	May 01	May 10	May 22	May 31	Aug 24	Sep 10	Sep 27	Oct 13	Oct 23
1999-2003	Apr 24	Apr 30	May 10	May 25	Jun 04	Aug 23	Sep 11	Sep 26	Oct 08	Oct 17
Sunflowers										
2003	May 08	May 14	May 25	Jun 02	Jun 06	Oct 06	Oct 10	Oct 16	Oct 22	Oct 28
2002	May 20	May 24	May 29	Jun 01	Jun 06	Oct 05	Oct 17	Oct 29	Nov 08	Nov 19
1999-2003	May 11	May 18	May 28	Jun 06	Jun 12	Oct 06	Oct 11	Oct 21	Oct 29	Nov 08
Alfalfa Hay 1/										
2003						May 28	Jun 02	Jun 09	Jun 18	Jun 28
2002						Jun 03	Jun 10	Jun 17	Jun 25	Jul 07
1999-2003						May 27	Jun 02	Jun 10	Jun 20	Jun 30
Sweet Corn										
2003	May 01	May 16	May 27	Jun 08	Jun 20	Aug 06	Aug 13	Aug 26	Sep 09	Sep 19
2002	May 03	May 13	May 24	Jun 09	Jun 22	Aug 04	Aug 10	Aug 23	Sep 10	Sep 20
1999-2003	May 02	May 11	May 23	Jun 06	Jun 19	Aug 04	Aug 12	Aug 23	Sep 06	Sep 18
Ory Beans										
2003	May 10	May 15	May 24	Jun 03	Jun 07	Sep 03	Sep 07	Sep 15	Sep 29	Oct 08
2002	May 15	May 21	May 27	Jun 01	Jun 07	Sep 02	Sep 14	Sep 22	Oct 08	Oct 13
1999-2003	May 11	May 17	May 26	Jun 03	Jun 09	Sep 04	Sep 11	Sep 23	Oct 04	Oct 12
Sugarbeets										
2003	Apr 16	Apr 20	Apr 29	May 03	May 13	Sept 25	Oct 01	Oct 05	Oct 13	Oct 17
2002	Apr 23	Apr 29	May 03	May 14	May 22	Sep 30	Oct 03	Oct 08	Oct 13	Oct 21
1999-2003	Apr 21	Apr 26	May 01	May 13	May 22	Sep 27	Oct 02	Oct 07	Oct 13	Oct 17

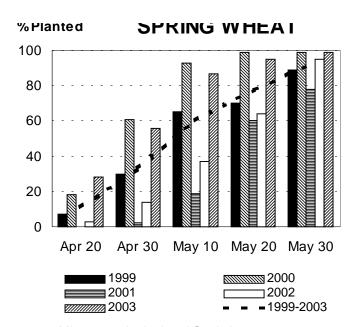
PLANTING & HARVESTING PROGRESS OF MINNESOTA'S MAJOR CROPS, 1999-2003

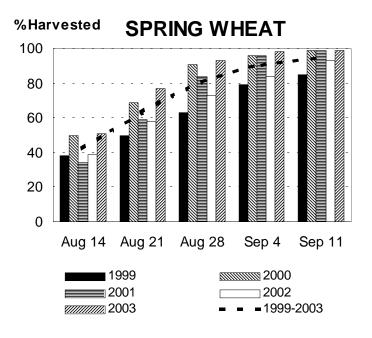












2003 CROP SUMMARY

Minnesota was on the receiving end of a cold winter in 2003. During January, the state had a lack of snowfall, combined with extreme cold temperatures, raised concerns about alfalfa conditions. February brought more extremely cold temperatures which caused pipes and septic tanks to freeze in some areas. Livestock conditions were adequate as well as feed supplies.

Temperatures early in March were the same as in previous months, but the second half of the month brought warmer weather and preparation for the upcoming growing season. Producers had some concerns about soil loss due to wind erosion. Feed supplies continued to be sufficient.

Weather conditions in April varied from week to week. The state received warm temperatures one week and cold, wet conditions the next. Full scale fieldwork began around the 22nd. Topsoil and subsoil moisture conditions were good throughout most of the state. Small grain plantings were ahead of the five year averages.

May was a very wet month. Field crops were in good condition and development continued to be ahead of the five year average for most items. Temperatures were below normal throughout the month, but topsoil moisture increased tremendously from the previous month.

Warm dry weather during the majority of June allowed producers to spray crops and helped advance grain development throughout the state, but storm systems halted fieldwork in the last week of the month. Flooding occurred in several parts of the state. Tornadoes, hail, and straight-line winds caused localized damage in some places throughout Central Minnesota.

During July, weather and crop progress varied across the entire state. Below average temperatures prevailed during the majority of the month. Heavy rains were also abundant within the state. Flooding and hail damage was widespread in Central and Southern areas of the state. Hay quality became a concern due to standing water in fields.

Crops became stressed due to above average temperatures and dry conditions in August. Aphids were a problem in a number of soybean fields in the South Central district and corn development lagged behind the five year averages across the state. Topsoil moisture conditions were subpar as were crop conditions.

Continued hot, dry weather in September caused corn and soybeans to mature very quickly. The lack of topsoil moisture throughout the state allowed sink holes and large cracks to begin forming across the Central region of the state. Scattered showers were received in parts of the state around the end of the month, but they were too late to aid the crop conditions for 2003.

Producers did not have any problems with harvest activities in October. Temperatures remained above normal and conditions were very dry. All crops harvested surpassed their five year averages.

By November, very few fields remained unharvested. Producers were applying fertilizers and fall tillage was moving along smoothly.

The following is a rundown on the production of Minnesota's major crops for 2003:

Minnesota's 2003 **CORN** production at 970.9 million bushels was down 8 percent from the record high production set in 2002. A yield at 146.0 bushels per acre was down 11 bushels from the record high in 2002.

SOYBEAN production was estimated at 229.4 million bushels, down 26 percent from the record high production set in 2002. The final yield was 31.0 bushels per acre, which was down 12.5 from the record high in 2002. Soybean planted acres of 7.5 million were a new record high, up 300,000 acres from the record high in 2000 and 2001.

<u>SPRING WHEAT</u> production was estimated at 104.4 million bushels, up 71 percent from 2002 and the highest since 1996. Acres harvested for grain was 1.8 million acres, unchanged from last year. Yield was a new record high, at 58.0 bushels per acre, up 3 bushels from the previous record yield set in 1985.

The <u>SUGARBEET</u> production of 10.0 million tons was a record high, up 3 percent from the previous high production set in 1998 and up 13 percent from 2002. Yield was estimated at 20.6 tons per acre, down 0.9 from the record high set in 2000. Sugarbeet harvested acres were 487,000 acres, up 11,000 from a year ago.

CROPS: Record Highs, Minnesota and United States

Crop	Plantii	ngs	Yield F	Per Acre	Produ	ıction
	1,000 Acres	Year	Unit	Year	1,000 Units	<u>Year</u>
Corn						
Minnesota	7,700	1981	157.0 Bu.	2002	1,051,900 Bu.	2002
United States	113,024	1932	142.2 Bu.	2003	10,113,887 Bu.	2003
Soybeans	,					
Minnesota	7,500	2003	43.5 Bu.	2002	308,850 Bu.	2002
United States	74,226	2000	41.4 Bu.	1994	2,890,572 Bu.	2001
All Wheat	,				, ,	
Minnesota	6,375 1/	1899	57.8 Bu.	2003	142,426 Bu.	1985
United States	88,251	1981	44.2 Bu.	2003	2,785,357 Bu.	1981
Spring Wheat	,				, ,	
Minnesota	2/		58.0 Bu.	2003	137,500 Bu.	1992
United States	2/		41.8 Bu.	1992	757,608 Bu.	1992
Barley					•	
Minnesota	2,380	1935	75.0 Bu.	1992 & 2003	70,950 Bu.	1985
United States	19,686	1942	62.5 Bu.	1992	608,532 Bu.	1986
Oats	·					
Minnesota	5,466	1945	72.0 Bu.	2000	242,640 Bu.	1945
United States	47,494	1955	65.4 Bu.	1992	1,523,851 Bu.	1945
All Hay						
Minnesota	4,721 3/	1941	3.39 Tons	1986	9,675 Tons	1986
United States	77,639 3/	1944	2.58 Tons	1995	159,707 Tons	1999
All Potatoes						
Minnesota	486 3/	1922	385 Cwt.	2003	26,244 Cwt.	1922
United States	3,901 3/	1922	381 Cwt.	2000	513,621 Cwt.	2000
Dry Beans						
Minnesota	205	1999	1,710 Lbs.	1994	2,558 Cwt.	1997 & 1999
United States	2,599	1943	1,763 Lbs.	1999	33,319 Cwt.	1991
Sugarbeets						
Minnesota	505	2002	21.5 Tons	2000	10 ,032 Tons	2003
United States	1,647	1969	23.7 Tons	2000	33,420 Tons	1999
All Sunflowers						
Minnesota	1,400	1979	1,781 Lbs.	1991	1,870,620 Lbs.	1979
United States	5,555	1979	1,510 Lbs.	1998	7,296,110 Lbs.	1979

^{1/} Normally spring wheat accounts for 90-95% of the all wheat estimate for Minnesota. Planted acreage estimates started in 1919; therefore, the record is based on harvested acreage estimates that started in 1866.

CROPS: Stocks and Price Records, Minnesota

	STOCKS:	Record Highs	PRICES: Record	Highs and Lows		
Crop	On-Farm	Off-Farm	High Monthly Average Price since 1983	Low Monthly Average Price since 1983		
	1,000	Bushels	Dollars per Bushel			
Corn	820,000	259,100	\$3.95	\$1.29		
	December 1, 1986	December 1, 1987	August 1996	October 1986		
Soybeans	171,000	102,329	\$8.38	\$3.94		
	December 1, 2002	December 1, 1986	July 1988	October 2001		
All Wheat	175,000	101,732	\$5.87	\$2.23		
	September 1, 1986	September 1, 1986	June 1996	August 1987		
Barley	88,688	45,258	\$3.18	\$1.10		
	October 1, 1985	September 1, 1988	June 1996	August 1986		
Oats	208,670	78,566	\$2.93	\$0.82		
	October 1, 1945	October 1, 1971	July 1988	August 1986		

 $[\]ensuremath{\text{2/}}$ Planted acreage estimates started in 1924, and the record was set prior to 1924.

^{3/} Harvested acres.

Crop	Acreage	Acreage	Yield Per		Marketing Year	Farm Value of
Year	Planted	Harvested	Harvested Acre	Production	Average Price 1/	Production
			Corn for Gra	in 2/		
	<u>1,00</u>	0 Acres	<u>Bushels</u>	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1999	7,100	6,600	150.0	990,000	1.60	1,584,000
2000	7,200	6,650	145.0	964,250	1.71	1,648,868
2001	6,800	6,200	130.0	806,000	1.90	1,531,400
2002	7,200	6,700	157.0	1,051,900	2.15	2,261,585
2003	7,200	6,650	146.0	970,900	2.35	2,281,615
			Corn for Sile	age		
	<u>1,00</u> 0	0 Acres	<u>Tons</u>	1,000 Tons		
1999		425	16.0	6,800		
2000		475	16.0	7,600		
2001		500	14.0	7,000		
2002		400	17.0	6,800		
2003		475	14.0	6,650		
				·		
	4.00	0. 4 =====	Soybeans		Dala Day Du	4 000 Dala
000		<u>0 Acres</u>	<u>Bushels</u>	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1999	7,000	6,900 7,450	42.0	289,800	4.42	1,280,916
2000	7,300 7,300	7,150 7,200	41.0 37.0	293,150 266,400	4.38 4.32	1,283,997
2001	7,300 7,200	7,200 7,100	43.5	308,850	4.32 5.42	1,150,848 1,673,967
2002	7,500 7,500	7,100	31.0	229,400	7.00	1,605,800
	,	, , , , , ,	Oats	-,		,,
	1.00	0 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1999	360	300	59.0	17,700	0.97	17,169
2000	400	310	72.0	22,320	0.99	22,097
2001	300	210	60.0	12,600	1.53	19,278
2002	420	265	56.0	14,840	1.65	24,486
2003	350	265	71.0	18,815	1.30	24,460
			Barley			
	<u>1,00</u>	0 Acres	<u>Bushels</u>	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1999	200	180	47.0	8,460	1.54	13,028
2000	270	240	64.0	15,360	1.67	25,651
2001	160	145	55.0	7,975	1.70	13,558
2002	190	150	41.0	6,150	2.62	16,113
2003	190	170	75.0	12,750	2.45	31,238
		· -	Rye	,	 	- ,
	1 N	00 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1999 3/	30	25	31.0	775	1.31	1,000 Dois.

^{1/} Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. Marketing year periods, by crop, are October-September for corn; September-August for soybeans; and July-June for oats, barley, and rye. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

^{2/} Acreage planted to corn is for "all purposes".

^{3/} Estimates for Minnesota discontinued after the 1999 crop year.

NA = Not Available.

^{1/} Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. The marketing year period is July-June for wheat and flaxseed. The sugarbeet price relates to prices received by producers during the harvest period. Prices do not include allowance for CCC loans outstanding, purchases by the government or deficiency payments. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

^{2/} Excludes Sugar Act payments.

Crop	Acreage	Acreage	Yield Per	Dundunting	Marketing Year	Farm Value of
Year	Planted	Harvested	Harvested Acre	Production	Average Price 1/	Production
			All Sun	flowers		
	<u>1,00</u>	<u> 0 Acres</u>	Pounds Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1999	130	120	1,360	163,250	9.34	14,027
2000	95	85	1,578	134,150	7.90	11,335
2001	60	56	1,325	74,200	10.90	8,028
2002	70	64	1,295	82,850	12.70	10,501
2003	90	88	1,611	141,800	14.20	20,015
			Oil Sun	flowers		
	<u>1,00</u>	0 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1999	80	77	1,450	111,650	6.74	7,525
2000	55	48	1,600	76,800	6.62	5,084
2001	30	28	1,400	39,200	10.30	4,038
2002	40	37	1,400	51,800	12.00	6,216
2002	55	54	1,650	89,100	13.00	11,583
			Non-Oil S	unflowers		
	1,00	0 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1999	50	43	1,200	51,600	12.60	6,502
2000	40	37	1,550	57,350	10.90	6,251
2001	30	28	1,250	35,000	11.40	3,990
2002 2003	30 35	27 34	1,150 1,550	31,050 52,700	13.80 16.00	4,285 8,432
2000				,	10.00	0, 102
	1.00	0 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
			<u></u>			
1999	105	100	1,300	130,000	NA	NA
2000	140	125	1,480	185,000	NA	NA
2001	80	75	1,180	88,500	8.27	7,319
2002	80	50	890	44,500	10.60	4,717
2003	57	56	1,820	101,920	9.50	9,682
			All	Нау		
	<u>1,00</u>	0 Acres	<u>Tons</u>	1,000 Tons	Dols. Per Ton	1,000 Dols.
1999		2,450	2.91	7,130	60.00	433,340
2000		2,250	3.04	6,840	59.00	422,730
2001		2,150	2.88	6,195	58.00	366,468
2002		2,100	2.77	5,810	67.50	403,690
2003		2,075	2.53	5,245	66.00	351,853
			Alfalf	а Нау		
	<u>1,00</u>	0 Acres	<u>Tons</u>	1,000 Tons	Dols. Per Ton	1,000 Dols.
1999		1,600	3.50	5,600	67.00	375,200
2000		1,550	3.60	5,580	66.50	371,070
2001		1,450	3.50	5,075	62.50	317,188
2002		1,400	3.30	4,620	74.50	344,190
2002		1,375	3.00	4,125	70.50	290,813
_000		1,070	•	·	10.00	200,010
	1 4 00	O Aores	All Oth	•	Dolo Dor Tor	1 000 D-I-
	<u>1,00</u>	<u> </u>	<u>Tons</u>	<u>1,000 Tons</u>	Dols. Per Ton	1,000 Dols.
1999		850	1.80	1,530	38.00	58,140
2000		700	1.80	1,260	41.00	51,660
2001		700	1.60	1,120	44.00	49,280
2002		700	1.70	1,190	50.00	59,500
2003	1	700	1.60	1,120	54.50	61,040

^{1/} Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings. Marketing years are September-August for sunflowers, July-June for canola, and June-May for hay. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

NA = Not Available ---continued

CROF	PS: Acreage	e, Yield, Produc	ction, Price, and	Value, Minn		3 (continued
Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value of Production
			All Dry Edi	ble Beans		
		<u>Acres</u>	<u>Pounds</u>	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1999	205,000	165,000	1,550	2,558	17.30	44,253
2000	165,000	150,000	1,600	2,400	15.90	38,160
2001	115,000	105,000	1,500	1,575	24.30	38,273
2002	170,000	155,000	1,720	2,666	16.00	42,656
2003	115,000	110,000	1,700	1,870	19.50	36,465
			Na	vy		
		<u>Acres</u>	<u>Pounds</u>	1,000 Cwt.		
999	80,000	64,000	1,560	998		
2000	66,000	60,000	1,650	990		
2001	48,000	44,000	1,620	713		
2002	67,000	60,000	1,880	1,128		
2003	36,000	35,000	1,750	612		
			Pin	ito		
		<u>Acres</u>	<u>Pounds</u>	1,000 Cwt.		
999	38,000	24,000	1,430	343		
2000	39,000	34,000	1,450	494		
2001	13,000	12,000	1,300	156		
2002	25,000	23,000	1,400	322		
2003	21,000	20,000	1,640	329		
			Light Red	d Kidney		
		<u>Acres</u>	<u>Pounds</u>	1,000 Cwt.		
1999	11,000	10,500	1,700	178		
2000	10,000	9,600	1,850	178		
2001	8,200	7,700	1,490	115		
2002	7,600	7,400	2,050	152		
2003	10,000	9,400	1,490	140		
			Dark Red	l Kidney		
Ţ		<u>Acres</u>	Pounds	1,000 Cwt.		
1999	38,000	36,000	1,660	597		
2000	32,000	30,000	1,700	510		
2001	31,000	29,000	1,500	435		
2002	42,000	39,000	1,780	694		
2003	27,000	26,000	1,850	480		
			Other Dry E	dible Beans		
		<u>Acres</u>	Pounds	1,000 Cwt.		
1999	38,000	30,500	1,450	442		
2000	18,000	16,400	1,390	228		
2001	14,800	12,300	1,270	156		
2002	28,400	25,600	1,440	370		
2003	21,000	19,600	1,580	309		

^{1/} Marketing year average price received by farmers is based on monthly prices weighted by monthly marketings. Market year is September-August for dry beans. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year. Prices not available by type.

27

19.8

2003

--continued

8,623

43.6

^{1/} Processing and Fresh market commodity prices are available only at harvest. Price for latest year shown is preliminary.

^{2/} Price per unit for sweet corn, green peas, and carrots for processing includes price received by the producer plus expenses incurred by the processor to get the commodity to the processing plant door.

^{3/} Value computed on marketed production.

CROPS: Acreage, Yield, Production, Price and Value, Minnesota, 1999-2004 (continued)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value of Production
			All Po	tatoes		
	<u>Acı</u>	<u>res</u>	Cwt.	1,000 Cwt.	Dols. per Cwt.	1,000 Dols.
1999	70,000	53,000	340	18,020	6.15	110,823
2000	66,000	59,000	360	21,240	5.10	108,324
2001	59,000	55,000	335	18,425	5.60	103,180
2002	62,000	57,000	330	18,810	6.15	115,005
2003	60,000	58,000	385	22,330	5.40	120,582

^{1/} Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings, July-June. Price for latest year shown is preliminary. It includes an allowance for marketings from December through the remainder of the marketing year.

POTATO STOCKS: All Positions, Minnesota, 1999-2004

Marketing Year	Dec 1	Jan 1	Feb 1	Mar 1	Apr 1	May 1
			<u>1,000</u>	Cwt.		
1999/2000	10,600	9,000	7,500	6,200	4,700	3,200
2000/2001	14,200	13,000	11,600	10,100	8,100	5,800
2001/2002	12,000	10,800	9,500	7,900	6,100	4,300
2002/2003	12,000	10,500	9,100	7,400	6,100	4,300
2003/2004	14,000	12,400	11,100	9,600	7,600	5,500



GRAIN STORAGE: Capacity by Storage Position on December 1, Minnesota, 1997-2003

	Off I	Farm 1/	On Farm	Total
Year	ar Facilities Capac		Capacity	Capacity
	<u>Number</u>		<u>1,000 Bushels</u>	
1997	692	482,890	1,200,000	1,682,890
1998	676	479,460	1,200,000	1,679,460
1999	656	495,500	1,200,000	1,695,500
2000	623	494,500	1,225,000	1,719,500
2001	623	506,500	1,225,000	1,731,500
2002	611	506,500	1,250,000	1,756,500
2003	605	510,000	1,200,000	1,710,000

^{1/} Includes mills, elevators, warehouses, terminals, and processors.

FLORICULTURE: Flowering, Bedding, and Foliage Plants, Minnesota, 2002-03 1/2/3/

Flowering Potted Plants		Value of A	old	Quantity S	Total	ucers	Produ	
Flowering Potted Plants	2003	2002	2003	2002	Units	2003	2002	Item
African Violets 6 7 Pots 27 34 70 Azaleas, Finished Florist 17 16 Pots 152 126 1,170 Chrysanthemums, Florist 13 13 Pots 232 159 1,052 Lillies, Easter 19 21 Pots 736 733 4,108 Roses, Potted Flowering 4 5 Pots 18 26 79 Spring Flowering Bulbs 13 18 Pots 149 159 689 Other 23 16 Pots 184 379 2,760 Bedding/Garden Plants (Annual)	ollars	<u>1,000 Do</u>	<u>its</u>	<u>1,000 U</u> n	-	<u>nbe</u> r	<u>Nun</u>	
African Violets 6 7 Pots 27 34 70 Azaleas, Finished Florist 17 16 Pots 152 126 1,170 Chrysanthemums, Florist 13 13 Pots 232 159 1,052 Lillies, Easter 19 21 Pots 736 733 4,108 Roses, Potted Flowering 4 5 Pots 18 26 79 Spring Flowering Bulbs 13 18 Pots 149 159 689 Other 23 16 Pots 584 379 2,760 Bedding/Garden Plants (Annual)	9,759	11,380						Flowering Potted Plants
Chrysanthemums, Florist 13 13 Pots 232 159 1,052	79	70	34	27	Pots	7	6	
Chrysanthemums, Florist 13 13 Pots 232 159 1,052	1,031	1,170	126		Pots	16	17	Azaleas, Finished Florist
Lilies, Easter	687		159		Pots			
Poinsettias 40	836		161	177	Pots	21	19	
Spring Flowering Bulbs	4,218				Pots			
Spring Flowering Bulbs	156	•		18	Pots			Roses, Potted Flowering
Other 23 16 Pots 584 379 2,760 Bedding/Garden Plants (Annual) 37,832 Flats Begonias 71 71 Flats 66 67 659 Geraniums, from Cuttings 7 8 Flats 31 19 266 Geraniums, from Seed 11 12 Flats 24 26 222 Impatiens, New Guinea 14 9 Flats 23 306 Marigolds 80 82 Flats 110 126 1,021 Pansy/Viola 79 79 Flats 98 112 995 995 Peturias 82 82 Flats 110 126 1,021 995 96 111 12 91 14 9 91 8 112 995 995 995 905 905 905 905 905 905 905 905 905 905	693	689	159	149	Pots	18	13	
Flats	1,607	2,760		584	Pots			
Geraniums, from Cuttings 7 8 Flats 31 19 266 Geraniums, from Seed 11 12 Flats 24 26 222 Impatiens 79 82 Flats 230 244 2,337 Impatiens, New Guinea 14 9 Flats 35 23 306 Marigolds 80 82 Flats 110 126 1,021 Pansy/Viola 79 79 Flats 110 126 1,021 Petunias 82 82 82 Flats 30 251 2,300 Vegetable Type 74 75 Flats 503 251 2,300 Other 76 79 Flatts 503 255 5,095 Pots 80 82 32 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31	44,575	37,832						
Geraniums, from Seed 11 12 Flats 24 26 222 Impatiens 79 82 Flats 230 244 2,337 Impatiens, New Guinea 14 9 Flats 35 23 306 Marigolds 80 82 Flats 110 126 1,021 Pansy/Viola 79 79 79 Flats 98 112 995 Petunias 82 82 Flats 230 251 2,300 Vegetable Type 74 75 Flats 134 136 1,292 Other 76 79 Flats 503 657 5,095 Pots 28 82 82 82 320 561 1,292 Other 76 79 Flats 503 657 5,095 Pots 83 8 Pots 282 320 561 Geraniums, from Cuttings 93 88	651	659	67	66	Flats	71	71	Begonias
Impatiens 79 82	174							
Impatiens, New Guinea	252							Geraniums, from Seed
Marigolds 80 82 Flats 110 126 1,021 Pansy/Viola 79 79 Flats 230 251 2,300 Vegetable Type 74 75 Flats 230 251 2,300 Vegetable Type 74 75 Flats 134 136 1,292 Other 76 79 Flats 503 657 5,095 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,947 1211 1,072 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Passy/Viola 31 32 Pots 67 75 168	2,574				Flats			
Pansy/Viola 79 79 Flats 98 112 995 Petunias 82 82 Flats 230 251 2,300 Vegetable Type 74 75 Flats 134 136 1,292 Other 76 79 Flats 503 657 5,095 Pots 88 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,187 1211 1,072 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansy/Viola 31 32 Pots 264 400 424 Vegetable Type 66 64 Pots	192							
Petunias 82 82 Flats 230 251 2,300 Vegetable Type 74 75 Flats 134 136 1,292 Other 76 79 Flats 503 657 5,095 Pots 82 320 561 65 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,947 1839 4,202 Geraniums, from Seed 44 41 Pots 1,947 1839 4,202 Impatiens 44 41 Pots 1,97 217 400 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansyl/iola <td>1,217</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1,217							
Vegetable Type Other 74 75 Flats 134 136 1,292 Other 76 79 Flats 503 657 5,095 Pots 8 76 79 Flats 503 657 5,095 Begonias 67 65 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,187 1211 1,072 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansy/Viola 31 32 Pots 67 75 168 Petunias 45 56 Pots 264 400 424 Vegetable Type 66 64 Pots 809 1,094 713 Other 6 66 <	1,196							Pansy/Viola
Other Pots 76 79 Flats 503 657 5,095 Begonias 67 65 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,187 1211 1,072 Impatiens 44 41 Pots 197 217 400 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansy/Viola 31 32 Pots 67 75 168 Petunias 45 56 Pots 264 400 424 Vegetable Type 66 64 Pots 809 1,094 713 Other 64 69 Pots 2,419 3,368 5,094 Hanging Baskets 83 79 Baskets <td>2,678</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	2,678							
Pots Begonias 67 65 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,187 1211 1,072 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansy/Viola 31 32 Pots 67 75 168 Petunias 45 56 Pots 264 400 424 Vegetable Type 66 64 Pots 809 1,094 713 Other 64 69 Pots 2,419 3,368 5,094 Hanging Baskets 83 79 Baskets 66 84 558 Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed	1,331							
Begonias 67 65 Pots 282 320 561 Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,947 1211 1,072 Impatiens 44 41 Pots 197 217 400 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansy/Viola 31 32 Pots 67 75 168 Petunias 45 56 Pots 264 400 424 Vegetable Type 66 64 Pots 809 1,094 713 Other 64 69 Pots 2,419 3,368 5,094 Hanging Baskets 83 79 Baskets 195 206 1,911 Geraniums, from Cuttings 83 79	6,866	5,095	657	503	Flats	79	76	
Geraniums, from Cuttings 93 88 Pots 1,947 1839 4,202 Geraniums, from Seed 31 31 Pots 1,187 1211 1,072 Impatiens 44 41 Pots 197 217 400 Impatiens, New Guinea 91 87 Pots 503 516 1,064 Marigolds 25 22 Pots 88 61 107 Pansy/Viola 31 32 Pots 67 75 168 Petunias 45 56 Pots 264 400 424 Vegetable Type 66 64 Pots 2,419 3,368 5,094 Hanging Baskets Begonias 68 71 Baskets 68 5,094 Hanging Baskets Begonias 68 71 Baskets 68 458 Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Pots</td></t<>								Pots
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Pansy/Viola 31 32 Pots 67 75 168 Petunias 45 56 Pots 264 400 424 Vegetable Type 66 64 Pots 809 1,094 713 Other 64 69 Pots 2,419 3,368 5,094 Hanging Baskets Begonias 68 71 Baskets 66 84 558 Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed 5 5 Baskets 2 3 20 Impatiens 75 79 Baskets 119 120 950 Impatiens, New Guinea 77 72 Baskets 106 101 951 Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72	1,181							
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Vegetable Type 66 64 Pots 809 1,094 713 Other 64 69 Pots 2,419 3,368 5,094 Hanging Baskets 83 71 Baskets 66 84 558 Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed 5 5 Baskets 2 3 20 Impatiens 75 79 Baskets 119 120 950 Impatiens, New Guinea 77 72 Baskets 106 101 951 Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 <td< td=""><td>263</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	263							
Other 64 69 Pots 2,419 3,368 5,094 Hanging Baskets Begonias 68 71 Baskets 66 84 558 Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed 5 5 Baskets 2 3 20 Impatiens 75 79 Baskets 119 120 950 Impatiens, New Guinea 77 72 Baskets 106 101 951 Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 7	728							
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Begonias 68 71 Baskets 66 84 558 Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed 5 5 Baskets 2 3 20 Impatiens 75 79 Baskets 119 120 950 Impatiens, New Guinea 77 72 Baskets 106 101 951 Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 <t< td=""><td>6,721</td><td>5,094</td><td>3,368</td><td>2,419</td><td>Pots</td><td>69</td><td>64</td><td></td></t<>	6,721	5,094	3,368	2,419	Pots	69	64	
Geraniums, from Cuttings 83 79 Baskets 195 206 1,911 Geraniums, from Seed 5 5 Baskets 2 3 20 Impatiens 75 79 Baskets 119 120 950 Impatiens, New Guinea 77 72 Baskets 106 101 951 Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362								
Geraniums, from Seed 5 5 Baskets 2 3 20 Impatiens 75 79 Baskets 119 120 950 Impatiens, New Guinea 77 72 Baskets 106 101 951 Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362	667							
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Pansy/Viola 17 12 Baskets 13 15 100 Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362	972							•
Petunias 69 74 Baskets 94 132 821 Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362	855							
Other 71 72 Baskets 517 563 4,183 Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362	100							
Herbaceous Perennials 12,613 Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362	1,034	821						
Chrysanthemums, Hardy/Garden 67 67 Pots 619 784 1,608 Hostas 73 78 Pots 453 439 1,643 Other 77 80 Pots 3,395 3,615 9,362	4,617	4,183			Baskets			
Hostas 73 78 Pots 453 439 1,643 Other 80 Pots 3,395 3,615 9,362	14,169				Doto			
Other 77 80 Pots 3,395 3,615 9,362	1,955							
	1,767							
L 220	10,477			3,395	Pols			
Foliage 1,229 Hanging Baskets 17 22 Baskets 100 87 649	1,218			100	Pookoto			
	572							
Potted 6 10 Sq Feet 580 Cut Flowers 5,538	646 5.262				Sq reet			
	5,263				Ctomo			
Alstroemeria 3 3 Stems 1185 1,360 892 Chrysanthemums, Pompom 2 2 Bunches 9 9 26	889 27							
	27 167		-			2	2	
	167							
Gladioli 1 1 Spikes 20 10 6	3							
Iris 3 2 Stems 110 18 61	11 546							
Lilies, All 7 5 Stems 497 342 575	546							· · · · · · · · · · · · · · · · · · ·
Lisianthus 1 1 Stems 36 18 26	18							
Orchids	0.770	· · · · · · · · · · · · · · · · · · ·		•				
Roses 2 Stems 3,820 3,560 2,819	2,773					2		
Snapdragons 4 3 Spikes 270 301 180	190							
Tulips 4 4 Stems 1,117 1,173 531 Other 7 5 255	556 83		•		Siems			

^{1/} Summarized only from producers with \$100,000 or more in annual sales.

^{2/} Data that are not available because of questionnaire differences between years or published at the U.S. level only are denoted with "--".

^{3/} Statistical techniques are used to avoid the disclosure of individual operators. Data suppressed by these methods may be published if approval is granted by the operators.

OBJECTIVE YIELD: Corn, Soybeans, and Spring Wheat, Minnesota, 1999-2003

The Minnesota Agricultural Statistics Service conducts objective yield surveys in the state for corn, soybeans, and spring wheat. Randomly selected plots in fields across the state are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual counts from these surveys and are not official estimates of the Agricultural Statistics Board, but are intended to show trends in production practices.

CORN FOR GRAIN: Plant Population per Acre 1/

Month	1999	2000	2001	2002	2003				
			Number of Plants						
September	26,750	27,500	28,050	26,950	28,700				
November 2/	26,800	27,150	28,000	26,800	28,800				

CORN FOR GRAIN: Percentage Distributions by Row Width and Average Row Width

Number		Average							
of Samples	20.5 or Less	20.6- 30.5	30.6- 34.5	34.6- 36.5	36.6- 38.5	38.6 & Greater	Row Width		
Number		Percent of Plots							
162	0.0	63.5	19.8	4.3	9.3	3.1	30.6		
164	2.4	62.3	20.1	6.1	7.3	1.8	30.5		
162	2.5	66.7	22.2	3.1	4.3	1.2	29.5		
158	1.9	69.5	19.0	3.2	5.1	1.3	30.0		
166	4.2	77.7	13.3	1.8	1.8	1.2	29.1		
	Number 162 164 162 158	Samples Less Number	Samples Less 20.5 Less 30.5 Number	Samples Less 30.5 34.5 Number	Samples Less 30.5 34.5 36.5 Number	Samples Less 30.5 34.5 36.5 38.5 Number	Samples Less 30.5 34.5 36.5 38.5 Greater Number		

SOYBEANS: Pods with Beans per 18 Square Feet 1/

Month	1999	2000	2001	2002	2003
			Number of Pods		
September	1,612	1,607	1,492	1,688	1,582
November	1,563	1,507	1,475	1,739	1,440
Final	1,565	1,507	1,475	1,715	1,440

SOYBEANS: Percentage Distributions by Row Width and Average Row Width

	Number	Row Width (Inches) 3/							
Year	of Samples	10.0 & Less 4/	10.1- 18.5	18.6- 28.5	28.6- 34.5	34.6 & Greater	Average Row Width 3/		
	Number			- Percent of Plots	S		Inches		
1999	100	22.1	26.1	12.1	33.7	6.0	20.4		
2000	95	23.7	19.5	12.1	42.6	2.1	20.8		
2001	91	14.8	25.8	17.0	41.9	0.5	21.5		
2002	103	19.9	24.3	20.9	33.0	1.9	20.2		
2003	92	19.6	31.5	10.9	36.9	1.1	19.6		

SPRING WHEAT: Heads per Square Foot 1/

Month	1999	2000	2001	2002	2003
			Number of Heads		
September	49.0	52.5	49.2	5/	5/
Final	49.4	52.5	49.1	50.6	55.9

- 1/ Based on counts in plots selected for objective yield samples.
- 2/ No change between November and final.
- 3/ Spacings based on row measurements in sample plots selected for objective yield survey.
- 4/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.
- 5/ September forecast discontinued.

2003 CORN CHEMICAL USAGE

Nitrogen was applied to 96 percent of the total 2003 corn planted acreage in the Program States: Colorado, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, New York, North Carolina, North Dakota, Ohio, Pennsylvania, South Dakota, Texas, and Wisconsin. Corn growers used an average of 1.7 applications per acre while applying 78 pounds of nitrogen per treatment. This computes to a crop year rate per acre of 136 pounds per acre. In the Program States, 79 percent of the corn planted acreage received a phosphate application, while potash was applied to 64 percent of the planted acreage.

Herbicides were applied to 95 percent of the corn-planted acreage in 2003, in the Program States. Atrazine continued to be the most widely applied herbicide with 68 percent of the planted acreage being treated. It was applied at a rate of 1.04 pounds per acre. Acetochlor, at 26 percent of the planted acres treated, was the second most widely applied herbicide, followed by glyphosate and S-metolachlor, both applied to 19 percent of the planted corn acreage treated in the Program States.

In 2003, 29 percent of the corn planted acreage was treated with insecticides in the Program States. Cyfluthrin and tebupirimphos were the most widely applied insecticides, both applied to 7 percent of the acres planted to corn in the States surveyed.

CORN: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Selected States, 2003

			Nitroger	1		Phospha	te		Potash		Herbicide	Insecticide
6	Area	Area Applied	Appli-	Rate per Appli-	Area Applied	Appli-	Rate per Appli-	Applied	Appli-	Rate per Appli-	Area Applied	Area Applied
State	Planted	1/	cations	cation	1/	cations	cation	1/	cations	cation	1/	1/
	1,000											
	Acres	Percent	Number	<u>Pounds</u>	Percent	Number	<u>Pounds</u>	Percent	Number	Pounds Pounds	<u>Percent</u>	<u>Percent</u>
IA	12,400	93	1.4	94	59	1.0	61	65	1.0	80	96	14
MN	7,200	95	1.6	74	89	1.0	44	73	1.0	64	95	13
WI	3,750	99	1.8	55	90	1.0	38	89	1.1	61	98	22
Total 2/	72,770	96	1.7	78	79	1.1	53	64	1.0	78	95	29

^{1/} Refers to acres receiving one or more applications of a specific chemical.

CORN: Frequency and Extent of Chemical Usage by Active Ingredient, Minnesota, 2003 1/

Active Ingredient	Area Applied 2/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	<u>Pounds</u>	Pounds	1,000 Pounds
Herbicides		· 			· · · · · · · · · · · · · · · · · · ·
Acetochlor	30	1.0	1.73	1.73	3,683
Atrazine	45	1.0	0.63	0.64	2,112
Bromoxynil	3	1.0	0.31	0.31	63
Clopyralid	8	1.0	0.10	0.10	54
Dicamba	11	1.0	0.26	0.26	210
Dicamba, Dimet. salt	4	1.0	0.09	0.09	24
Dicamba, Pot. salt	8	1.0	0.34	0.34	183
Diflufenzopyr-sodium	4	1.0	0.04	0.04	13
Dimethenamid-P	5	1.0	0.08	0.08	30
Flumetsulam	8	1.0	0.04	0.04	20
Glufosinate-ammonium	9	1.0	0.27	0.29	198
Glyphosate	22	1.2	0.72	0.91	1,427
Mesotrione	18	1.0	0.11	0.11	144
Metolachlor	3	1.0	2.13	2.13	392
Nicosulfuron	21	1.0	0.02	0.02	30
Primisulfuron	4	1.0	0.02	0.02	5
Rimsulfuron	17	1.0	0.01	0.01	12
S-Metolachlor	12	1.0	1.93	1.93	1,682
Insecticides					
Chlorpyrifos	3	1.0	1.17	1.17	214

^{1/} Planted acres in 2003 for Minnesota were 7.20 million acres.

^{2/} Refers to 18 major corn states including: CO, IL, IN, IA, KS, KY, MI, MN, MO, NE, NY, NC, ND, OH, PA, SD, TX and WI.

^{2/} Refers to acres receiving one or more applications of a specific chemical.

2003 BARLEY CHEMICAL USAGE

Nitrogen was applied to 93 percent of the 2003 barley planted acreage in the following Program States: California, Idaho, Minnesota, Montana, North Dakota, Pennsylvania, South Dakota, Utah, Washington, Wisconsin, and Wyoming. Nitrogen applications ranged from 37 percent of the acres treated in Wisconsin to 99 percent in Washington. Barley growers used an average of 1.4 applications per acre while applying 40 pounds of nitrogen per treatment. This computes to a crop year rate per acre of 60 pounds. In the Program States, 79 percent of the acres of barley planted received a phosphate application, while potash was applied to 29 percent of the acreage planted to barley.

Herbicides were applied to 93 percent of the barley planted acreage in 2003. MCPA was the most widely applied herbicide with 45 percent of the planted acreage being treated. It was applied at a rate of 0.32 pounds per acre. The next three most widely applied herbicides for barley, namely 2, 4-D, bromoxynil, and fenoxaprop, were applied to 30, 29, and 28 percent, respectively, of the planted barley acreage.

In 2003, 3 percent of the barley planted acreage was treated with insecticides. The insecticides applied to barley were all put on less than one percent of the planted acres; therefore, no area applied values were published. Based on total pounds applied, methyl parathion at 9,000 pounds, was the most widely used insecticide on barley acres planted in the Program States. Fungicides were applied to 7 percent of the barley planted acreage in the States in the survey program.

BARLEY: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Selected States, 2003

			Nitrogen			Phosphate			Potash		Herbicide	Insecticide
State	Area Planted	Area Applied 1/	Appli-	Rate per Appli- cation	Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Area Applied 1/
	1,000											
	<u>Acres</u>	Percent	Number	<u>Pounds</u>	<u>Percent</u>	<u>Number</u>	Pounds	Percent	Number	Pounds	Percent	Percent
MN	190	91	1.4	45	87	1.0	32	66	1.0	32	89	8
ND	2,050	98	1.7	33	91	1.0	27	20	1.0	10	98	4
SD	75	82	1.2	32	78	1.1	29	13	1.0	18	86	2/
WI	55	37	1.0	24	36	1.0	33	44	1.0	74	21	2/
Total 3/	4,850	93	1.4	40	79	1.0	29	29	1.0	20	93	3

^{1/} Refers to acres receiving one or more applications of a specific chemical.

BARLEY: Frequency and Extent of Chemical Usage By Active Ingredient, Minnesota, 2003 1/

Ingredient	Area Applied 2/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Pounds per Acre	Pounds per Acre	1,000 Pounds
Herbicides					
2,4-D	23	1.0	0.52	0.52	22
Bromoxynil	30	1.0	0.23	0.24	14
Bromoxynil octanoate	16	1.0	0.27	0.27	8
Fenoxaprop	43	1.0	0.06	0.06	5
Fluroxypyr	10	1.0	0.11	0.11	2
MCPA	63	1.0	0.29	0.29	35
Thifensulfuron	16	1.0	0.02	0.02	1
Tribenuron-methyl	6	1.0	0.005	0.005	3/
Insecticides					
Methyl parathion	5	1.3	0.12	0.16	1
Fungicides					
Propiconazole	19	1.1	0.06	0.07	3
Pyraclostrobin	5	1.0	0.05	0.05	1
Tebuconazole	14	1.0	0.11	0.11	3

^{1/} Planted acres in 2003 for Minnesota were 190,000 acres.

^{2/} Data not published due to insufficient number of reports.

^{3/} Refers to eleven major barley states including: CA, ID, MN, MT, ND, PA, SD, UT, WA, WI and WY.

^{2/} Refers to acres receiving one or more applications of a specific chemical.

^{3/} Total applied is less than 500 lbs.

2003 FALL POTATOES CHEMICAL USAGE

The 10 survey states totaled 1.0 million planted acres in 2003. Nitrogen was applied to 100 percent of the fall potato acreage in the ten Program States which includes Colorado, Idaho, Maine, Michigan, Minnesota, North Dakota, Oregon, Pennsylvania, Washington, and Wisconsin. Nitrogen applications averaged 4.0 per acre. Phosphate was applied to 94 percent of the fall potato acreage and potash was applied to 88 percent in the States surveyed.

Herbicides were applied to 91 percent of the fall potato acreage in 2003 in the ten Program States. Metribuzin was the most widely applied herbicide, applied to 69 percent of the planted acreage being treated. Insecticide applications were reported on 84 percent of the total fall potato planted acreage, while fungicide applications were reported on 91 percent.

FALL POTATOES: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Major States, 2003

			Nitroge	n	Р	hospha	te		Potash		Herbicide	Insecticide
State	Area Planted	Area Applied 1/		Rate per Appli- cation	Applied			Applied		Rate per Appli- cation	Area Applied 1/	Area Applied 1/
	1,000	•	•		•			•	•	•		
	Acres	Percent	Number	<u>Pounds</u>	Percent	Number	<u>Pounds</u>	Percent	Number	<u>Pounds</u>	Percent	Percent
MN	60	100	2.2	65	94	1.1	74	92	1.3	113	94	69
ND	117	97	3.6	40	92	1.4	64	84	1.2	112	82	80
WI	81	100	6.6	37	99	2.1	70	100	3.9	80	94	99
Total 2/	1,024	100	4.0	53	94	1.7	94	88	1.6	106	91	84

^{1/} Refers to acres receiving one or more applications of a specific chemical.

FALL POTATOES: Frequency and Extent of Usage by Active Ingredient, Minnesota, 2003 1/

Active Ingredient	Area Applied 2/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Lbs. Per Acre	Lbs. Per Acre	1,000 Pounds
Herbicides					
Linuron	9	1.0	1.01	1.01	6
Metribuzin	57	1.0	0.39	0.42	14
Rimsulfuron	16	1.0	0.02	0.02	3/
S-Metolachlor	11	1.0	1.07	1.07	7
Insecticides					
Cyfluthrin	26	1.2	0.03	0.03	1
Esfenvalerate	16	1.6	0.02	0.03	3/
Imidacloprid	37	1.4	0.08	0.11	3
Thiamethoxam	28	1.1	0.03	0.04	1
Fungicides					
Azoxystrobin	27	1.6	0.11	0.19	3
Chlorothalonil	66	4.7	0.90	4.30	171
Mancozeb	66	3.9	1.38	5.42	216
Mefenoxam	30	1.0	0.45	0.45	8
Metiram	17	2.7	1.27	3.45	35
Triphenyltin hydrox	29	2.4	0.12	0.28	5
Other Chemicals					
Diquat	57	1.4	0.36	0.52	18

^{1/} Planted acres in 2003 for Minnesota were 60,000 acres.

^{2/} Refers to ten majors fall potato states including; CO, ID, ME, MI, MN, ND, OR, PA, WA and WI.

^{2/} Refers to acres receiving one or more applications of a specific chemical.

^{3/} Total applied is less than 500 lbs.

CORN: Acreage Planted for All Purposes, Harvested for Grain, Yield, and Production, by County and District, Minnesota, 2002-03

	110111000	ction, by	Tourney a	5.0		Jootta,	1	
County					Yield	d Per		
and	Planted	Acreage	Harveste	d Acreage	Harvest	ted Acre	Prod	uction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>A</u>	<u>cres</u>	<u>Ac</u>	<u>res</u>	<u>Bus</u>	hels	<u>Bus</u>	<u>shels</u>
Becker	22,800	20,200	14,200	12,900	120.0	101.0	1,704,000	1,302,900
Clay	38,200	41,700	34,700	36,800	130.0	117.0	4,511,000	4,305,600
Clearwater	3,800	3,600	1,600	2,000	115.0	107.0	184,000	214,000
Kittson	5,000	5,400	2,100	3,400	105.0	115.0	220,500	391,000
Mahnomen	10,500	16,300	8,800	14,000	119.0	116.0	1,047,200	1,624,000
Marshall	8,300	7,600	5,400	4,500	116.0	112.0	626,400	504,000
Norman	23,800	30,000	17,900	26,700	114.0	126.0	2,040,600	3,364,200
Pennington	2,200	1,600	1,600	1,100	123.0	107.0	196,800	117,700
Polk	16,700	24,000	13,600	21,200	118.0	107.0	1,604,800	2,268,400
Red Lake	5,100	5,500	3,400	3,500	117.0	108.0	397,800	378,000
Roseau	6,800	6,400	1,400	3,500	89.0	115.0	124,600	402,500
Northwest	143,200	162,300	104,700	129,600	120.9	114.8	12,657,700	14,872,300
Beltrami	4,100	4,400	900	400	102.0	68.0	91,800	27,200
Cass	6,300	7,800	3,400	3,500	131.0	108.0	445,400	378,000
Hubbard	12,500	11,800	11,400	10,400	160.0	131.0	1,824,000	1,362,400
Other Counties	1,300	1,100	500	400	120.6	111.5	60,300	44,600
North Central	24,200	25,100	16,200	14,700	149.5	123.3	2,421,500	1,812,200
Other Counties	300	100	100	100	104.0	60.0	10,400	6,000
Northeast	300	100	100	100	104.0	60.0	10,400	6,000
Big Stone	73,500	77,200	70,800	71,000	146.0	117.0	10,336,800	8,307,000
Chippewa	137,000	139,400	134,700	137,300	169.0	153.0	22,764,300	21,006,900
Douglas	51,000	56,600	45,200	48,400	146.0	128.0	6,599,200	6,195,200
Grant	77,200	88,000	75,300	85,900	162.0	137.0	12,198,600	11,768,300
Lac Qui Parle	156,600	157,900	152,200	149,900	151.0	123.0	22,982,200	18,437,700
Otter Tail	141,200	151,700	116,200	130,500	139.0	132.0	16,151,800	17,226,000
Pope	100,100	97,200	90,000	89,900	164.0	140.0	14,760,000	12,586,000
Stevens	133,300	143,100	128,400	135,800	165.0	154.0	21,186,000	20,913,200
Swift	159,400	160,500	152,600	151,300	170.0	143.0	25,942,000	21,635,900
Traverse	104,300	111,100	102,400	108,000	161.0	128.0	16,486,400	13,824,000
Wilkin	42,600	47,200	40,700	45,600	135.0	119.0	5,494,500	5,426,400
Yellow Medicine	178,600	182,800	172,700	175,500	148.0	141.0	25,559,600	24,745,500
West Central	1,354,800	1,412,700	1,281,200	1,329,100	156.5	137.0	200,461,400	182,072,100
Benton	63,100	59,700	52,700	45,100	127.0	118.0	6,692,900	5,321,800
Carver	63,300	61,900	57,500	55,500	161.0	145.0	9,257,500	8,047,500
Kandiyohi	144,700	140,900	139,300	133,600	166.0	151.0	23,123,800	20,173,600
McLeod	103,800	105,300	97,100	101,300	163.0	153.0	15,827,300	15,498,900
Meeker	114,900	111,300	108,200	102,500	157.0	137.0	16,987,400	14,042,500
Morrison	95,700	97,300	75,100	66,700	135.0	85.0	10,138,500	5,669,500
Renville	249,500	246,600	242,300	237,800	169.0	155.0	40,948,700	36,859,000
Scott	41,700	41,100	38,500	38,100	163.0	147.0	6,275,500	5,600,700
Sherburne	32,300	27,800	29,800	24,700	147.0	128.0	4,380,600	3,161,600
Sibley	136,800	135,900	130,900	126,200	168.0	159.0	21,991,200	20,065,800
Stearns	204,300	208,300	163,500	162,500	155.0	122.0	25,342,500	19,825,000
Todd	73,400	73,600	57,800	49,300	132.0	101.0	7,629,600	4,979,300
Wadena	22,900	22,600	17,600	17,600	128.0	105.0	2,252,800	1,848,000
Wright	78,500	77,900	69,100	61,800	143.0	118.0	9,881,300	7,292,400
Central	1,424,900	1,410,200	1,279,400	1,222,700	156.9	137.7	200,729,600	168,385,600

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

CORN: Acreage Planted for All Purposes, Harvested for Grain, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

	Toduction	i, by Cour	ty and Di	Strict, Will	ř.	•	3 (continued	<u>/</u>
County and	Planted	d Acreage	Harveste	d Acreage		d Per ed Acre	Produc	ction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	A	<u>cres</u>		res	ļ.	hels	Bush	
Aitkin		1,400		300		82.0		24,600
Anoka	8,800	8,300	8,000	7,400	126.0	86.0	1,008,000	636,400
Carlton	1,600	1,600	500	200	98.0	80.0	49,000	16,000
Chisago	24,400	24,200	22,400	18,300	138.0	101.0	3,091,200	1,848,300
Crow Wing	7,900	7,700	5,800	4,000	119.0	90.0	690,200	360,000
Hennepin	16,700	15,900	15,200	13,400	148.0	122.0	2,249,600	1,634,800
Isanti	34,000	32,500	31,700	30,300	130.0	96.0	4,121,000	2,908,800
Kanabec	18,800	16,500	14,500	12,300	137.0	81.0	1,986,500	996,300
Mille Lacs	22,900	23,000	19,000	17,500	127.0	88.0	2,413,000	1,540,000
Pine	22,200	19,700	15,100	11,900	124.0	92.0	1,872,400	1,094,800
Washington	23,400	21,100	22,200	19,800	165.0	120.0	3,663,000	2,376,000
Other Counties	2,000		1,100		117.3		129,000	
East Central	182,700	171,900	155,500	135,400	136.8	99.2	21,272,900	13,436,000
Cottonwood	179,600	175,700	169,700	166,300	152.0	147.0	25,794,400	24,446,100
Jackson	185,200	178,700	180,900	175,600	150.0	152.0	27,135,000	26,691,200
Lincoln	91,300	93,100	83,200	86,000	139.0	142.0	11,564,800	12,212,000
Lyon	178,200	176,500	170,500	170,300	153.0	140.0	26,086,500	23,842,000
Murray	181,200	174,000	170,900	164,500	143.0	144.0	24,438,700	23,688,000
Nobles	193,900	192,600	183,000	184,500	135.0	141.0	24,705,000	26,014,500
Pipestone	102,000	95,900	93,800	90,200	136.0	141.0	12,756,800	12,718,200
Redwood	233,300	233,300	227,300	226,700	155.0	152.0	35,231,500	34,458,400
Rock	129,500	128,100	120,100	119,800	145.0	146.0	17,414,500	17,490,800
Southwest	1,474,200	1,447,900	1,399,400	1,383,900	146.6	145.6	205,127,200	201,561,200
Blue Earth	185,800	178,700	182,700	175,200	163.0	164.0	29,780,100	28,732,800
Brown	151,500	165,300	143,900	152,900	152.0	157.0	21,872,800	24,005,300
Faribault	203,200	197,300	198,500	195,000	170.0	170.0	33,745,000	33,150,000
Freeborn	179,600	173,100	175,800	170,400	173.0	168.0	30,413,400	28,627,200
Le Sueur	90,400	92,400	87,600	87,000	157.0	158.0	13,753,200	13,746,000
Martin	217,500	216,200	212,900	210,000	172.0	170.0	36,618,800	35,700,000
Nicollet	115,100	117,000	109,900	111,200	162.0	172.0	17,803,800	19,126,400
Rice	83,700	80,500	78,500	73,100	165.0	155.0	12,952,500	11,330,500
Steele	103,800	102,600	99,800	98,800	167.0	155.0	16,666,600	15,314,000
Waseca	118,300	117,100	114,900	114,900	165.0	169.0	18,958,500	19,418,100
Watonwan	122,500	120,300	119,900	118,300	167.0	166.0	20,023,300	19,637,800
South Central	1,571,400	1,560,500	1,524,400	1,506,800	165.7	165.1	252,588,000	248,788,100
Dakota	91,800	91,100	86,100	87,200	168.0	145.0	14,464,800	12,644,000
Dodge	109,200	109,100	102,700	106,100	171.0	158.0	17,561,700	16,763,800
Fillmore	158,800	160,800	146,700	146,800	162.0	153.0	23,765,400	22,460,400
Goodhue	137,900	138,200	125,300	126,400	167.0	155.0	20,925,100	19,592,000
Houston	57,700	56,700	49,700	48,900	162.0	153.0	8,051,400	7,481,700
Mower	187,400	171,300	182,000	164,400	171.0	140.0	31,122,000	23,016,000
Olmsted	110,200	110,100	101,300	102,300	167.0	152.0	16,917,100	15,549,600
Wabasha	84,500	87,700	74,000	78,900	162.0	157.0	11,988,000	12,387,300
Winona	86,800	84,300	71,300	66,700	166.0	151.0	11,835,800	10,071,700
Southeast	1,024,300	1,009,300	939,100	927,700	166.8	150.9	156,631,300	139,966,500
Minnesota	7,200,000	7,200,000	6,700,000	6,650,000	157.0	146.0	1,051,900,000	970,900,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

CORN FOR SILAGE: Acreage Harvested, Yield, and Production, by County and District, Minnesota, 2002-03

County				d Per		
and	Harvest	ed Acreage	Harves	ted Acre	Prod	luction
District 1/	2002	2003	2002	2003	2002	2003
	_	<u>\cres</u>		<u>ons</u>		ons
Becker	8,100	7,100	14.5	10.3	117,400	73,100
Clay	2,800	3,300	13.9	11.7	38,900	38,600
Clearwater	2,000	1,500	13.1	9.7	26,100	14,600
Kittson	2,600	1,900	14.5	9.7	37,700	18,400
Mahnomen	1,400	2,200	13.4	13.8	18,800	30,400
Marshall	2,600	2,700	14.2	10.7	37,000	28,900
Norman	3,700	2,700	12.6	11.6	46,600	31,300
Pennington	600	400	13.7	10.8	8,200	4,300
Polk	2,700	2,600	13.4	10.8	36,200	28,100
Red Lake	1,500	1,900	10.6	11.1	15,900	21,100
Roseau	4,200	2,700	11.0	10.4	46,400	28,100
Northwest	32,200	29,000	13.3	10.9	429,200	316,900
Beltrami	3,200	3,900	13.7	13.1	43,800	51,100
Cass	2,800	3,900	14.0	9.0	39,200	35,100
Hubbard	1,000	1,300	15.4	11.2	15,400	14,600
Other Counties	700	600	14.6	11.0	10,200	6,600
North Central	7,700	9,700	14.1	11.1	108,600	107,400
Other Counties	200		6.5		1,300	
Northeast	200		6.5		1,300	
Big Stone	1,400	1,600	15.0	10.9	21,000	17,500
Chippewa	700	700	17.9	13.1	12,500	9,200
Douglas	5,200	7,500	15.3	14.2	79,400	106,500
Grant	1,000	1,400	17.3	14.9	17,300	20,900
Lac Qui Parle	2,600	6,700	16.1	13.2	41,900	88,400
Otter Tail	22,200	19,600	15.0	11.3	333,300	221,500
Pope	6,400	6,000	16.4	13.2	105,100	79,200
Stevens	3,400	6,200	19.3	13.2	65,600	81,800
Swift	4,400	8,000	21.3	15.2	93,800	121,600
Traverse	700	1,000	18.9	11.0	13,200	11,000
Wilkin	1,400	1,200	12.6	11.4	17,700	13,700
Yellow Medicine	3,900	6,000	12.9	12.9	50,300	77,400
West Central	53,300	65,900	16.0	12.9	851,100	848,700
Benton	9,200	14,100	14.0	10.9	128,800	153,700
Carver	5,000	5,900	17.7	16.4	88,300	96,800
Kandiyohi	4,100	6,200	18.8	16.2	77,000	100,400
McLeod	5,300	3,000	18.3	13.4	97,200	40,200
Meeker	5,300	7,800	15.8	13.6	83,500	106,100
Morrison	18,400	28,300	15.7	12.2	288,300	345,200
Renville	2,200	5,100	17.8	13.9	39,100	70,900
Scott	2,800	2,700	17.3	15.4	48,400	41,600
Sherburne	1,900	2,500	14.9	11.9	28,400	29,800
Sibley	4,300	8,700	19.1	15.9	82,000	138,300
Stearns	38,800	44,100	18.2	13.6	705,800	599,700
Todd	14,900	23,000	15.0	10.0	223,300	230,000
Wadena	5,000	4,400	12.5	10.2	62,700	44,900
Wright	7,000	14,900	17.7	16.0	124,200	238,400
Central	124,200	170,700	16.7	13.1	2,077,000	2,236,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

CORN FOR SILAGE: Acreage Harvested, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

County			Yield			. 45
and		ed Acreage	Harveste			uction
District 1/	2002	2003	2002	2003	2002	2003
		Acres	<u>Tons</u>		<u>To</u>	ons
Aitkin		1,000		7.9		7,900
Anoka	500	700	9.2	10.1	4,600	7,100
Carlton	1,000	1,300	11.5	7.5	11,500	9,800
Chisago	1,700	5,700	16.1	13.0	27,300	74,100
Crow Wing	1,900	3,500	12.4	8.1	23,500	28,400
Hennepin	1,100	2,300	17.3	9.9	19,000	22,800
Isanti	1,300	1,900	13.0	11.6	16,900	22,000
Kanabec	4,100	4,000	16.5	12.4	67,800	49,600
Mille Lacs	3,600	5,200	17.6	12.8	63,400	66,500
Pine	5,900	7,500	14.1	10.4	83,200	78,000
Washington	1,000	1,100	16.1	12.8	16,100	14,100
Other Counties	800		12.0		9,600	
East Central	22,900	34,200	15.0	11.1	342,900	380,300
Cottonwood	5,900	6,200	18.0	15.2	106,200	94,200
Jackson	2,600	1,900	16.0	15.9	41,700	30,200
Lincoln	7,200	6,300	15.8	14.0	114,000	88,200
Lyon	5,900	4,800	15.3	13.6	90,100	65,300
Murray	8,600	8,400	16.2	13.5	139,000	113,400
Nobles	9,200	6,800	18.2	13.8	167,100	93,800
Pipestone	7,300	5,100	18.0	16.7	131,700	85,200
Redwood	4,000	4,900	16.0	16.4	64,100	80,400
Rock	7,900	6,900	16.0	13.8	126,600	95,200
Southwest	58,600	51,300	16.7	14.5	980,500	745,900
Blue Earth	1,300	2,300	23.2	18.6	30,100	42,800
Brown	5,200	11,200	18.2	17.0	94,800	190,400
Faribault	1,800	1,000	18.4	16.4	33,200	16,400
Freeborn	1,900	1,400	19.3	15.8	36,600	22,100
Le Sueur	1,900	3,800	20.2	16.3	38,300	61,900
Martin	2,700	3,200	20.3	17.9	54,800	57,300
Nicollet	3,300	5,000	20.3	19.2	67,100	96,000
Rice	4,200	6,800	18.8	18.2	79,100	123,700
Steele	2,900	3,100	20.5	16.7	59,400	51,800
Waseca	2,300	1,400	19.2	16.8	44,200	23,500
Watonwan	1,500	1,200	22.9	16.4	34,300	19,700
South Central	29,000	40,400	19.7	17.5	571,900	705,600
Dakota	4,200	3,200	20.7	15.5	87,000	49,600
Dodge	3,800	2,300	22.7	17.3	86,100	39,800
Fillmore	10,000	12,900	18.5	17.3	185,200	223,200
Goodhue	11,200	10,900	21.2	18.4	237,000	200,500
Houston	7,500	6,900	18.2	17.7	136,400	122,100
Mower	3,800	5,800	20.4	17.7	77,700	102,700
Olmsted	7,600	7,000	19.5	17.3	148,500	121,100
Wabasha	9,400	7,800	20.0	17.4	188,100	135,700
Winona	14,400	17,000	20.2	18.5	291,500	314,500
Southeast	71,900	73,800	20.0	17.7	1,437,500	1,309,200
Minnesota	400,000	475,000	17.0	14.0	6,800,000	6,650,000

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SOYBEANS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

	·	by County	dilu Dis	irict, wiiiii			ř	
County	D I (ld Per		
and	Planted	l Acreage	Harveste	d Acreage	Harves	sted Acre	Produ	uction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	Acı	res	Ad	cres	Bus	hels	Bus	shels
			-					
Pocker	94 600	96 900	92 400	95 500	24.0	26.0	2 901 600	2 222 000
Becker	84,600	86,800	82,400	85,500	34.0	26.0 28.0	2,801,600	2,223,000
Clay	158,300	159,500	156,800	157,600	35.0		5,488,000	4,412,800
Clearwater	4,600	6,000	4,300	5,900	33.0	27.0	141,900	159,300
Kittson	68,200	78,000	67,200	77,200	34.0 29.0	31.0	2,284,800	2,393,200
Mahnomen Marshall	49,700 126,900	55,700 167,400	46,400 121,900	55,300 165,700	29.0 34.0	28.0 27.0	1,345,600 4,144,600	1,548,400 4,473,900
Norman	154,500	168,400	142,400	163,400	31.0	27.0	4,414,400	4,738,600
	66,200	85,100	65,200		30.0	26.0		
Pennington	,	•	,	84,300	33.0		1,956,000	2,191,800
Polk Red Lake	233,200 60,400	280,400 68,000	223,300 58,100	277,700 67,300	30.0	29.0 27.0	7,368,900 1,743,000	8,053,300 1,817,100
Roseau	11,400	41,100	10,600	38,900	33.0	29.0	349,800	1,128,100
Northwest	1,018,000	1,196,400	978,600	1,178,800	32.7	28.1	32,038,600	33,139,500
MOLLIIWESL	1,016,000	1,190,400	970,000	1,170,000	32.1	20.1	32,036,000	33,139,300
Beltrami	1,000	3,600	1,000	3,500	34.0	24.0	34,000	84,000
Cass	1,600	1,500	1,500	1,400	42.0	35.0	63,000	49,000
Hubbard	2,700	3,800	2,600	3,700	50.0	35.0	130,000	129,500
Koochiching	1,200	1,700	1,200	1,600	29.0	25.0	34,800	40,000
Other Counties	800	2,000	800	1,900	38.0	28.8	30,400	54,800
North Central	7,300	12,600	7,100	12,100	41.2	29.5	292,200	357,300
Big Stone	116,200	113,900	114,900	110,100	39.0	26.0	4,481,100	2,862,600
Chippewa	122,800	121,500	121,800	119,800	45.0	34.0	5,481,000	4,073,200
Douglas	72,200	73,400	71,600	71,700	38.0	24.0	2,720,800	1,720,800
Grant	126,700	120,800	125,200	119,000	40.0	30.0	5,008,000	3,570,000
Lac Qui Parle	176,400	173,200	175,000	171,400	41.0	28.0	7,175,000	4,799,200
Otter Tail	128,800	142,500	127,700	140,800	35.0	29.0	4,469,500	4,083,200
Pope	88,700	88,700	87,300	86,800	41.0	29.0	3,579,300	2,517,200
Stevens	136,300	136,800	135,200	135,400	43.0	33.0	5,813,600	4,468,200
Swift	151,400	152,900	148,700	150,800	42.0	30.0	6,245,400	4,524,000
Traverse	145,800	141,200	144,300	137,800	40.0	30.0	5,772,000	4,134,000
Wilkin	141,000	143,500	139,800	141,900	37.0	29.0	5,172,600	4,115,100
Yellow Medicine	182,500	179,800	180,900	177,800	42.0	32.0	7,597,800	5,689,600
West Central	1,588,800	1,588,200	1,572,400	1,563,300	40.4	29.8	63,516,100	46,557,100
Benton	25,400	30,300	24,900	29,800	38.0	23.0	946,200	685,400
Carver	44,100	43,200	43,500	42,700	49.0	30.0	2,131,500	1,281,000
Kandiyohi	119,400	123,300	118,200	121,800	46.0	30.0	5,437,200	3,654,000
McLeod	97,500	94,300	95,800	93,300	44.0	27.0	4,215,200	2,519,100
Meeker	113,500	117,000	111,800	115,400	44.0	24.0	4,919,200	2,769,600
Morrison	16,900	22,500	16,300	22,200	43.0	22.0	700,900	488,400
Renville	235,000	224,900	233,300	221,700	48.0	32.0	11,198,400	7,094,400
Scott	34,900	36,300	34,600	35,900	48.0	30.0	1,660,800	1,077,000
Sherburne	17,500	18,900	17,300	18,400	44.0	24.0	761,200	441,600
Sibley	121,400	120,200	120,200	118,600	47.0	29.0	5,649,400	3,439,400
Stearns	94,000	99,400	93,300	98,200	45.0	25.0	4,198,500	2,455,000
Todd	32,900	40,000	32,700	39,500	42.0	21.0	1,373,400	829,500
Wadena	3,600	6,100	3,500	5,900	39.0	26.0	136,500	153,400
Wright	76,700	79,100	73,800	77,400	44.0	23.0	3,247,200	1,780,200
Central	1,032,800	1,055,500	1,019,200	1,040,800	45.7	27.5	46,575,600	28,668,000

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SOYBEANS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

	by Cou	iity aiiu L	Jisti ICt, IV	iinnesota			ueu)	
County and	Planted	Acreage	Harveste	d Acreage		ld Per sted Acre	Prod	uction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>A</u> c	res	<u>Ac</u>	res	<u>Bu</u>	shels	<u>Bu</u>	shels
Aitkin	3,500	3,800	3,400	3,700	30.0	33.0	102,000	122,100
Anoka	5,000	5,300	4,900	5,200	32.0	17.0	156,800	88,400
Chisago	23,600	24,900	23,400	24,600	42.0	23.0	982,800	565,800
Hennepin	15,100	16,600	14,700	16,400	47.0	27.0	690,900	442,800
Isanti	31,600	31,600	31,300	31,200	34.0	18.0	1,064,200	561,600
Kanabec	8,600	9,900	8,500	9,700	42.0	17.0	357,000	164,900
Mille Lacs	12,300	12,800	12,200	12,700	42.0	19.0	512,400	241,300
Pine	9,000	10,600	8,700	10,400	43.0	22.0	374,100	228,800
Washington	14,900	15,300	14,800	15,100	44.0	19.0	651,200	286,900
Other Counties	400	800	400	700	35.0	29.1	14,000	20,400
East Central	124,000	131,600	122,300	129,700	40.1	21.0	4,905,400	2,723,000
Cottonwood	159,500	165,200	158,200	163,400	47.0	34.0	7,435,400	5,555,600
Jackson	169,000	175,300	167,700	173,500	46.0	38.0	7,714,200	6,593,000
Lincoln	99,200	95,400	98,400	94,400	40.0	31.0	3,936,000	2,926,400
Lyon	168,300	170,000	167,000	168,100	44.0	33.0	7,348,000	5,547,300
Murray	167,400	171,700	166,000	169,900	45.0	35.0	7,470,000	5,946,500
Nobles	186,800	188,900	185,300	186,600	44.0	36.0	8,153,200	6,717,600
Pipestone	94,400	100,000	92,900	98,900	43.0	35.0	3,994,700	3,461,500
Redwood	223,500	218,700	221,800	216,300	44.0	33.0	9,759,200	7,137,900
Rock	120,600	121,000	119,700	119,600	44.0	38.0	5,266,800	4,544,800
Southwest	1,388,700	1,406,200	1,377,000	1,390,700	44.4	34.8	61,077,500	48,430,600
Blue Earth	169,200	171,400	168,000	169,500	50.0	34.0	8,400,000	5,763,000
Brown	136,300	147,800	135,300	146,200	45.0	34.0	6,088,500	4,970,800
Faribault	168,500	174,400	167,100	172,600	50.0	36.0	8,355,000	6,213,600
Freeborn	156,000	158,800	154,800	157,000	51.0	35.0	7,894,800	5,495,000
Le Sueur	85,100	83,400	84,400	82,300	47.0	33.0	3,966,800	2,715,900
Martin	184,400	191,500	183,000	189,300	49.0	36.0	8,967,000	6,814,800
Nicollet	97,500	95,400	96,200	94,400	46.0	33.0	4,425,200	3,115,200
Rice	67,500	67,300	67,000	66,600	49.0	31.0	3,283,000	2,064,600
Steele	87,000	91,000	86,400	90,000	51.0	30.0	4,406,400	2,700,000
Waseca	97,000	98,600	96,200	97,500	51.0	35.0	4,906,200	3,412,500
Watonwan	114,000	111,600	113,100	110,100	48.0	35.0	5,428,800	3,853,500
South Central	1,362,500	1,391,200	1,351,500	1,375,500	48.9	34.3	66,121,700	47,118,900
Dakota	68,400	67,800	67,700	66,600	47.0	30.0	3,181,900	1,998,000
Dodge	92,500	94,300	91,600	93,200	52.0	32.0	4,763,200	2,982,400
Fillmore	97,500	101,100	96,800	100,000	51.0	32.0	4,936,800	3,200,000
Goodhue	92,800	100,600	91,600	99,500	50.0	33.0	4,580,000	3,283,500
Houston	25,300	27,900	25,100	27,000	50.0	34.0	1,255,000	918,000
Mower	165,900	177,200	164,700	175,400	52.0	29.0	8,564,400	5,086,600
Olmsted	73,500	75,500	73,000	74,500	52.0	33.0	3,796,000	2,458,500
Wabasha	35,400	41,500	35,000	40,900	52.0	34.0	1,820,000	1,390,600
Winona	26,600	32,400	26,400	32,000	54.0	34.0	1,425,600	1,088,000
Southeast	677,900	718,300	671,900	709,100	51.1	31.6	34,322,900	22,405,600
Minnesota	7,200,000	7,500,000	7,100,000	7,400,000	43.5	31.0	308,850,000	229,400,000

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ALL WHEAT: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

	by County and District, Minnesota, 2002-03									
County	District	A				d Per	D			
and		Acreage	1	d Acreage		ted Acre	Prodi	uction		
District 1/	2002	2003	2002	2003	2002	2003	2002	2003		
	A	<u>cres</u>	<u>Ac</u>	res	Bus	shels	B	ushels		
Becker	62,700	58,400	59,500	57,100	35.0	55.0	2,080,700	3,140,500		
Clay	167,000	157,700	159,400	154,100	40.0	58.0	6,373,400	8,936,200		
Clearwater	7,200	6,600	6,300	6,400	30.7	43.5	193,500	278,100		
Kittson	173,600	177,400	162,000	173,300	33.0	59.7	5,343,000	10,354,600		
Mahnomen	39,600	30,600	33,700	29,900	25.3	53.8	853,000	1,607,400		
Marshall	251,800	224,900	229,000	219,400	33.0	62.0	7,568,400	13,594,700		
Norman	179,800	156,500	150,900	152,700	28.0	57.0	4,220,400	8,699,400		
Pennington	75,600	66,100	70,300	64,400	25.7	55.6	1,803,500	3,581,700		
Polk	336,600	299,200	307,400	291,400	34.0	59.9	10,463,000	17,453,600		
Red Lake	58,200	53,200	52,600	52,000	29.2	57.4	1,536,400	2,984,500		
Roseau	141,500	127,500	85,800	124,200	23.1	57.1	1,984,200	7,095,600		
Northwest	1,493,600	1,358,100	1,316,900	1,324,900	32.2	58.7	42,419,500	77,726,300		
Beltrami	7,100	6,500	6,300	6,400	21.2	59.5	133,600	381,100		
Hubbard	7,100	1,600		1,500		47.0		70,500		
Koochiching	1,700	1,400	1,200	1,300	27.0	46.0	32,400	59,800		
Lake of the Woods	13,300	17,500	9,700	17,200	20.0	49.4	194,000	850,500		
Other Counties	1,600	500	1,500	500	25.2	47.0	37,800	23,500		
North Central	23,700	27,500	18,700	26,900	21.3	51.5	397,800	1,385,400		
	20,700	27,000	10,700	20,500	21.0			1,000,400		
Other Counties	200	100	200	100	25.0	32.0	5,000	3,200		
Northeast	200	100	200	100	25.0	32.0	5,000	3,200		
Big Stone	35,600	36,000	34,700	33,300	43.9	58.0	1,524,300	1,930,500		
Chippewa	2,900	2,700	2,800	2,600	40.0	57.0	112,000	148,200		
Douglas	18,700	17,200	17,800	16,800	34.1	54.0	606,200	907,200		
Grant	43,300	42,100	42,500	41,200	43.0	56.0	1,827,500	2,307,200		
Lac Qui Parle	13,300	14,800	12,800	14,400	38.0	55.7	486,400	802,200		
Otter Tail	66,500	61,400	61,900	59,800	37.0	54.0	2,290,800	3,226,800		
Pope	13,000	9,900	12,200	9,700	36.1	49.0	440,000	475,300		
Stevens	24,300	21,000	23,000	20,500	42.0	58.0	966,000	1,189,000		
Swift	8,800	8,300	8,500	8,100	39.0	55.0	331,500	445,500		
Traverse	46,600	41,700	44,700	40,600	43.0	58.0	1,922,100	2,354,800		
Wilkin	142,800	141,200	137,200	134,200	40.0	57.0	5,488,000	7,647,900		
Yellow Medicine	13,200	14,400	12,700	14,100	39.0	57.9	495,300	816,200		
West Central	429,000	410,700	410,800	395,300	40.1	56.3	16,490,100	22,250,800		
Benton	1,200		1,200		28.3		33,900			
Carver	2,200	2,000	2,100	1,900	33.1	48.2	69,500	91,600		
Kandiyohi	6,400	4,900	5,900	4,800	36.0	50.0	212,400	240,000		
McLeod	4,000	4,100	3,800	3,900	39.9	53.9	151,800	210,400		
Meeker	5,900	3,900	5,300	3,700	31.4	49.7	166,600	183,800		
Morrison	1,100		1,000		34.6		34,600			
Renville	5,200	5,800	5,000	5,600	35.3	58.8	176,600	329,100		
Sibley	2,500	3,200	2,300	3,100	41.0	49.2	94,400	152,600		
Stearns	7,200	4,300	6,800	4,200	34.1	52.0	232,000	218,400		
Todd	6,200	4,200	5,700	4,100	29.1	41.2	165,600	169,100		
Wright	3,400	3,100	3,000	3,000	33.8	40.4	101,400	121,200		
Other Counties	2,000	3,000	1,900	3,000	31.9	40.3	60,700	120,800		
Central	47,300	38,500	44,000	37,300	34.1	49.2	1,499,500	1,837,000		

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ALL WHEAT: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

	by county and biotics, immediate, 2002 to (continued)							
County	Diameta d		lla mira a t	- d A		d Per	Due	lat:a.m
and	Planted	Acreage	Harvest	ed Acreage	Harves	ted Acre	Proc	luction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>A</u>	<u>cres</u>	<u>A</u>	<u>cres</u>	<u>Bus</u>	hels	<u>B</u>	ushels
Isanti	1,200		1,000		24.8		24,800	
Kanabec	2,200	1,200	2,100	1,100	34.0	50.0	71,400	55,000
Other Counties	2,800	3,000	2,400	2,800	34.2	38.8	82,100	108,500
East Central	6,200	4,200	5,500	3,900	32.4	41.9	178,300	163,500
Cottonwood	2,000	1,600	1,900	1,400	33.0	61.0	62,700	85,400
Lincoln	10,800	11,900	10,500	11,800	39.0	64.0	409,800	755,200
Lyon	4,800	3,700	4,700	3,600	33.0	62.0	155,100	223,200
Murray		1,000	·	900		55.0	·	49,500
Redwood	3,100	2,900	2,900	2,800	34.0	59.0	98,600	165,200
Other Counties	3,700	2,500	3,500	2,500	37.9	59.6	132,600	149,000
Southwest	24,400	23,600	23,500	23,000	36.5	62.1	858,800	1,427,500
Brown	3,000	2,100	2,900	2,000	34.9	51.9	101,300	103,800
Le Sueur	2,400	2,300	2,300	2,100	48.7	50.7	112,000	106,500
Nicollet		1,200		1,100		52.0		57,200
Other Counties	5,000	4,400	4,400	4,400	39.8	53.0	174,900	233,000
South Central	10,400	10,000	9,600	9,600	40.4	52.1	388,200	500,500
Dakota	1,600	1,300	1,500	1,100	40.1	45.5	60,200	50,000
Goodhue	1,000	,	1,000	, 	39.2		39,200	·
Other Counties	2,600	3,000	2,300	2,900	36.3	47.5	83,400	137,800
Southeast	5,200	4,300	4,800	4,000	38.1	47.0	182,800	187,800
Minnesota	2,040,000	1,877,000	1,834,000	1,825,000	34.0	57.8	62,420,000	105,482,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



SPRING WHEAT: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

		Yield Per									
County	Dianta	d Acreage	Homicoto	d Aoroogo		d Per ed Acre	Drod	uetien			
and				d Acreage				uction			
District 1/	2002	2003	2002	2003	2002	2003	2002	2003			
	<u>A</u>	<u>.cres</u>	<u>A</u>	<u>cres</u>	Bus	<u>hels</u>	<u>Bu</u>	shels			
Becker	62,500	58,400	59,300	57,100	35.0	55.0	2,075,500	3,140,500			
Clay	166,400	157,600	158,900	154,000	40.0	58.0	6,356,000	8,932,000			
Clearwater	5,300	5,600	4,500	5,500	31.0	45.0	139,500	247,500			
Kittson	172,100	174,100	161,000	170,200	33.0	60.0	5,313,000	10,212,000			
Mahnomen	39,000	30,000	33,200	29,300	25.0	54.0	830,000	1,582,200			
Marshall	246,900	223,300	224,600	217,900	33.0	62.0	7,411,800	13,509,800			
Norman	178,800	156,200	150,200	152,400	28.0	57.0	4,205,600	8,686,800			
Pennington	73,200	64,000	68,000	62,500	25.0	56.0	1,700,000	3,500,000			
Polk	331,800	297,000	302,800	289,300	34.0	60.0	10,295,200	17,358,000			
Red Lake	57,000	51,000	51,500	49,900	29.0	58.0	1,493,500	2,894,200			
Roseau	133,600	121,600	80,400	118,800	23.0	58.0	1,849,200	6,890,400			
Northwest	1,466,600	1,338,800	1,294,400	1,306,900	32.2	58.9	41,669,300	76,953,400			
Beltrami	6,500	6,400	5,800	6,300	22.0	60.0	127,600	378,000			
Hubbard		1,600		1,500		47.0		70,500			
Koochiching	1,700	1,400	1,200	1,300	27.0	46.0	32,400	59,800			
Lake of the Woods	13,000	17,000	9,500	16,700	20.0	50.0	190,000	835,000			
Other Counties	1,600	500	1,500	500	25.0	47.0	37,800	23,500			
North Central	22,800	26,900	18,000	26,300	21.5	52.0	387,800	1,366,800			
Other Counties	200	100	200	100	25.0	32.0	5,000	3,200			
Northeast	200	100	200	100	25.0	32.0	5,000	3,200			
Big Stone	35,000	35,700	34,200	33,000	44.0	58.0	1,504,800	1,914,000			
Chippewa	2,900	2,700	2,800	2,600	40.0	57.0	112,000	148,200			
Douglas	18,500	17,200	17,600	16,800	34.0	54.0	598,400	907,200			
Grant	43,300	42,100	42,500	41,200	43.0	56.0	1,827,500	2,307,200			
Lac Qui Parle	13,100	14,400	12,600	14,100	38.0	56.0	478,800	789,600			
Otter Tail	66,000	61,200	61,500	59,600	37.0	54.0	2,275,500	3,218,400			
Pope	12,400	9,900	11,800	9,700	36.0	49.0	424,800	475,300			
Stevens	24,300	21,000	23,000	20,500	42.0	58.0	966,000	1,189,000			
Swift	8,600	8,300	8,300	8,100	39.0	55.0	323,700	445,500			
Traverse	46,200	41,700	44,300	40,600	43.0	58.0	1,904,900	2,354,800			
Wilkin	142,800	141,100	137,200	134,100	40.0	57.0	5,488,000	7,643,700			
Yellow Medicine	13,200	14,300	12,700	14,000	39.0	58.0	495,300	812,000			
West Central	426,300	409,600	408,500	394,300	40.1	56.3	16,399,700	22,204,900			
Carver	1,800	1,500	1,700	1,400	31.0	49.0	52,700	68,600			
Kandiyohi	6,400	4,900	5,900	4,800	36.0	50.0	212,400	240,000			
McLeod	3,200	3,200	3,100	3,100	37.0	56.0	114,700	173,600			
Meeker	5,800	3,500	5,200	3,400	31.0	50.0	161,200	170,000			
Renville	5,100	5,700	4,900	5,500	35.0	59.0	171,500	324,500			
Sibley	2,200	2,600	2,000	2,500	40.0	50.0	80,000	125,000			
Stearns	6,800	4,300	6,400	4,200	34.0	52.0	217,600	218,400			
Todd	5,800	4,000	5,400	3,900	29.0	41.0	156,600	159,900			
Wright	3,100	2,900	2,700	2,800	32.0	40.0	86,400	112,000			
Other Counties	3,200	2,500	3,000	2,500	30.5	39.1	91,500	97,800			
Central	43,400	35,100	40,300	34,100	33.4	49.6	1,344,600	1,689,800			

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SPRING WHEAT: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

	,				2, 2002 00 (001111111111111111111111111111			
County and	Planted	l Acreage	Harveste	d Acreage		d Per ted Acre	Pro	duction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	A	cres	A	cres	Bus	shels	B	ushels
Kanabec	2,200	1,200	2,100	1,100	34.0	50.0	71,400	55,000
Other Counties	2,500	2,600	2,300	2,500	31.3	39.9	72,000	99,800
East Central	4,700	3,800	4,400	3,600	32.6	43.0	143,400	154,800
Cottonwood	2,000	1,500	1,900	1,400	33.0	61.0	62,700	85,400
Lincoln	10,600	11,900	10,300	11,800	39.0	64.0	401,700	755,200
Lyon	4,800	3,700	4,700	3,600	33.0	62.0	155,100	223,200
Murray		1,000		900	0.0	55.0		49,500
Redwood	3,100	2,900	2,900	2,800	34.0	59.0	98,600	165,200
Other Counties	2,900	2,400	2,800	2,400	34.9	60.4	97,600	144,900
Southwest	23,400	23,400	22,600	22,900	36.1	62.2	815,700	1,423,400
Brown	2,700	2,000	2,600	1,900	34.0	52.0	88,400	98,800
Le Sueur	1,500	1,600	1,400	1,500	44.0	51.0	61,600	76,500
Nicollet		1,200		1,100		52.0		57,200
Other Counties	4,400	3,900	3,900	3,900	39.1	53.3	152,300	208,000
South Central	8,600	8,700	7,900	8,400	38.3	52.4	302,300	440,500
Other Counties	4,000	3,600	3,700	3,400	35.7	48.0	132,200	163,200
Southeast	4,000	3,600	3,700	3,400	35.7	48.0	132,200	163,200
Minnesota	2,000,000	1,850,000	1,800,000	1,800,000	34.0	58.0	61,200,000	104,400,000

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CANOLA: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

	<u>.</u>	by County	and Disti	ict, wiiiiii	iesola, z	1002-03		
County and	Plante	d Acreage	Harvest	ed Acreage	_	ld Per sted Acre	Proc	luction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>Ac</u>	res	<u>Ac</u>	res	<u>Pou</u>	ınds	<u>Po</u>	unds
Clay	1,200		1,100		650		715,000	
Kittson	7,700	2,400	6,500	2,400	1,000	1,800	6,500,000	4,320,000
Marshall	13,900	11,400	11,300	10,800	940	1,930	10,622,000	20,844,000
Pennington	2,800	1,500	1,600	1,500	860	1,900	1,376,000	2,850,000
Red Lake	1,100		900		760		684,000	
Roseau	43,700	29,400	21,900	29,200	840	1,700	18,396,000	49,640,000
Other Counties	800	1,500	600	1,500	850	1,851	510,000	2,777,000
Northwest	71,200	46,200	43,900	45,400	884	1,772	38,803,000	80,431,000
Lake of the Woods	5,600	5,900	3,100	5,800	750	2,030	2,325,000	11,774,000
Other Counties	2,800	4,400	2,700	4,300	1,140	2,014	3,078,000	8,660,000
North Central	8,400	10,300	5,800	10,100	932	2,023	5,403,000	20,434,000
Other Districts	400	500	300	500	980	2,110	294,000	1,055,000
Minnesota	80,000	57,000	50,000	56,000	890	1,820	44,500,000	101,920,000

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OATS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

	ī	by County	and Disti	100, 141111110				
County	Planto	d Acreage	Harveste	d Acreage	_	d Per ted Acre	Proc	luction
and District 1/								
DISTRICT I/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>Ac</u>	<u>cres</u>	<u>Ac</u>	res	<u>Bush</u>	<u>nels</u>	<u>Bu</u>	<u>shels</u>
Becker	9,000	6,800	6,300	5,100	48.0	63.0	302,400	321,300
Clay	4,300	2,400	3,400	2,100	60.0	74.0	204,000	155,400
Clearwater	5,700	5,700	3,300	4,100	41.0	73.0	135,300	299,300
Kittson	10,400	7,400	5,000	7,000	38.0	78.0	190,000	546,000
Mahnomen	2,400	3,000	1,500	2,200	56.0	81.0	84,000	178,200
Marshall	8,200	6,800	5,100	6,600	35.0	77.0	178,500	508,200
Norman	2,600	2,000	2,100	1,900	33.0	79.0	69,300	150,100
Pennington	7,600	5,000	4,800	4,800	35.0	69.0	168,000	331,200
Polk	6,400	4,700	4,600	4,200	43.0	73.0	197,800	306,600
Red Lake	3,900	2,400	3,000	1,900	44.0	78.0	132,000	148,200
Roseau	17,300	13,500	9,300	13,100	36.0	89.0	334,800	1,165,900
Northwest	77,800	59,700	48,400	53,000	41.2	77.6	1,996,100	4,110,400
Beltrami	8,800	10,100	4,600	5,600	41.0	69.0	188,600	386,400
Cass	2,000	2,400	500	400	47.0	49.0	23,500	19,600
Hubbard	4,700	4,600	2,400	1,900	25.0	51.0	60,000	96,900
Itasca	2,500	1,500	1,100	700	55.0	63.0	60,500	44,100
Koochiching	2,400	2,300	800	1,400	31.0	63.0	24,800	88,200
Lake of the Woods	3,300	3,100	1,800	2,500	40.0	65.0	72,000	162,500
North Central	23,700	24,000	11,200	12,500	38.3	63.8	429,400	797,700
St. Louis	3,200	2,800	1,500	1,700	41.0	54.0	61,500	91,800
Northeast	3,200	2,800	1,500	1,700	41.0	54.0	61,500	91,800
Chippewa	1,600	1,700	1,000	1,500	66.0	88.0	66,000	132,000
Douglas	7,300	5,700	5,500	4,100	59.0	74.0	324,500	303,400
Lac Qui Parle	1,400	1,400	1,200	900	69.0	81.0	82,800	72,900
Otter Tail	29,200	23,800	20,600	20,900	47.0	63.0	968,200	1,316,700
Pope	5,200	4,800	3,400	4,100	57.0	71.0	193,800	291,100
Swift	3,200	2,800	1,900	2,600	65.0	78.0	123,500	202,800
Yellow Medicine	1,500	1,600	1,300	1,200	61.0	86.0	79,300	103,200
Other Counties	3,000	2,600	2,300	2,300	63.3	72.6	145,600	166,900
West Central	52,400	44,400	37,200	37,600	53.3	68.9	1,983,700	2,589,000
Benton	5,300	7,300	3,400	3,500	46.0	50.0	156,400	175,000
Carver	2,800	2,800	2,100	1,800	64.0	74.0	134,400	133,200
Kandiyohi	6,500	6,100	2,800	2,600	62.0	77.0	173,600	200,200
McLeod	3,300	2,500	2,400	2,100	58.0	71.0	139,200	149,100
Meeker	4,100	3,600	2,700	3,100	50.0	79.0	135,000	244,900
Morrison	11,600	9,800	8,500	8,800	47.0	52.0	399,500	457,600
Renville	2,200	1,600	1,200	1,000	78.0	85.0	93,600	85,000
Scott	2,900	2,500	1,900	2,200	67.0	67.0	127,300	147,400
Sherburne	1,200	1,500	500	500	39.0	50.0	19,500	25,000
Sibley	2,900	1,800	2,000	1,400	73.0	76.0	146,000	106,400
Stearns	31,700	26,900	23,600	23,600	56.0	69.0	1,321,600	1,628,400
Todd	19,100	14,700	11,300	9,800	46.0	56.0	519,800	548,800
Wadena	8,100	5,900	5,000	4,400	39.0	59.0	195,000	259,600
Wright	5,300	5,300	3,000	3,200	50.0	73.0	150,000	233,600
Central	107,000	92,300	70,400	68,000	52.7	64.6	3,710,900	4,394,200

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OATS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

County					Yield	d Per		
and	Plante	d Acreage	Harvest	ed Acreage		ed Acre	Pro	duction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	Ac	cres	Ac	cres	Bus	shels	<u>B</u>	ushels
		<u></u>		<u></u>		<u> </u>	_	
Aitkin	2,300	1,200	1,000	400	37.0	47.0	37,000	18,800
Chisago	1,800	1,400	800	500	40.0	42.0	32,000	21,000
Crow Wing	3,600	3,300	2,000	1,700	41.0	51.0	82,000	86,700
Hennepin	1,000	1,100	600	700	42.0	55.0	25,200	38,500
Isanti	1,800	1,000	900	700	39.0	48.0	35,100	33,600
Kanabec	3,400	2,300	1,700	1,400	44.0	58.0	74,800	81,200
Mille Lacs	2,900	2,900	1,400	1,000	50.0	49.0	70,000	49,000
Pine	3,800	4,300	2,200	1,800	46.0	48.0	101,200	86,400
Washington	2,100	1,400	1,100	1,100	48.0	50.0	52,800	55,000
Other Counties	1,600	1,000	1,000	500	47.0	55.4	47,000	27,700
East Central	24,300	19,900	12,700	9,800	43.9	50.8	557,100	497,900
Cottonwood	1,500	1,400	1,100	1,300	65.0	73.0	71,500	94,900
Jackson	1,100	1,000	700	900	55.0	69.0	38,500	62,100
Lincoln	4,200	3,100	2,100	2,800	72.0	89.0	151,200	249,200
Lyon	2,600	1,900	1,900	1,800	73.0	87.0	138,700	156,600
Murray	5,400	4,900	3,900	4,700	79.0	91.0	308,100	427,700
Nobles	3,800	2,900	1,800	2,600	71.0	92.0	127,800	239,200
Pipestone	4,700	3,900	3,000	2,700	74.0	87.0	222,000	234,900
Redwood	2,400	1,500	1,800	1,300	71.0	85.0	127,800	110,500
Rock	2,600	2,500	1,400	2,100	73.0	92.0	102,200	193,200
Southwest	28,300	23,100	17,700	20,200	72.8	87.5	1,287,800	1,768,300
Blue Earth	1,300	1,000	1,100	700	64.0	68.0	70,400	47,600
Brown	3,300	3,000	2,200	2,900	68.0	77.0	149,600	223,300
Faribault	2,000	1,000	1,700	900	86.0	81.0	146,200	72,900
Freeborn	2,800	1,500	1,500	1,300	87.0	69.0	130,500	89,700
Le Sueur	1,600	1,300	1,400	1,000	72.0	80.0	100,800	80,000
Martin	2,300	1,300	1,500	1,200	75.0	79.0	112,500	94,800
Nicollet	2,400	1,900	1,700	1,700	79.0	84.0	134,300	142,800
Rice	4,500	3,000	3,400	2,300	70.0	73.0	238,000	167,900
Steele	2,200	1,800	1,900	1,700	78.0	79.0	148,200	134,300
Other Counties	1,700	1,400	1,100	900	72.1	74.0	79,300	66,600
South Central	24,100	17,200	17,500	14,600	74.8	76.7	1,309,800	1,119,900
Dakota	3,200	2,200	2,000	2,000	70.0	67.0	140,000	134,000
Dodge	4,200	3,100	2,700	2,000	66.0	80.0	178,200	160,000
Fillmore	14,600	11,100	9,900	9,000	78.0	80.0	772,200	720,000
Goodhue	9,700	9,400	5,500	6,600	68.0	66.0	374,000	435,600
Houston	9,700	8,500	5,100	5,000	68.0	68.0	346,800	340,000
Mower	4,400	2,800	2,600	2,300	75.0	69.0	195,000	158,700
Olmsted	8,500	6,600	5,000	4,900	76.0	67.0	380,000	328,300
Wabasha	11,900	10,900	8,500	9,500	73.0	74.0	620,500	703,000
Winona	13,000	12,000	7,100	6,300	70.0	74.0	497,000	466,200
Southeast	79,200	66,600	48,400	47,600	72.4	72.4	3,503,700	3,445,800
Minnesota	420,000	350,000	265,000	265,000	56.0	71.0	14,840,000	18,815,000

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ALL HAY: Acreage Harvested, Yield, and Production, by County and District, Minnesota, 2002-03

	by CO	unty and Dist			<u> </u>	
County				d Per	D	
and District 4/		ed Acreage		ted Acre		uction
District 1/	2002	2003	2002	2003	2002	2003
	<u>A</u>	<u>cres</u>	<u>To</u>	ons	<u>T</u>	<u>ons</u>
Becker	45,900	45,400	2.4	2.3	109,100	106,300
Clay	27,400	27,900	2.9	2.9	78,100	81,400
Clearwater	49,200	49,600	2.0	2.0	96,800	98,700
Kittson	30,000	27,900	2.2	2.5	65,100	69,900
Mahnomen	19,900	18,800	2.8	2.3	56,600	43,000
Marshall	33,700	33,300	2.1	2.0	71,900	66,700
Norman	14,000	14,000	2.8	2.7	39,100	37,400
Pennington	28,800	28,600	2.3	2.6	67,500	73,200
Polk	35,600	36,200	2.4	2.3	85,700	83,800
Red Lake	16,200	15,900	2.5	2.8	40,400	44,300
Roseau	55,200	54,600	2.0	2.2	111,500	121,800
Northwest	355,900	352,200	2.3	2.3	821,800	826,500
Northwest	333,900	332,200	2.5	2.5	021,000	020,300
Beltrami	55,200	53,500	1.9	1.8	104,700	98,400
Cass	57,900	54,500	1.7	1.2	100,100	66,400
Hubbard	25,300	24,400	1.6	1.4	40,800	34,600
Itasca	33,900	32,900	1.5	1.4	51,500	46,900
Koochiching	22,100	20,900	1.7	1.4	37,100	29,100
Lake of the Woods	14,700	14,500	1.4	1.5	20,600	21,700
North Central	209,100	200,700	1.7	1.5	354,800	297,100
	,	,				
St. Louis	63,000	61,100	1.4	1.3	85,200	81,200
Other Counties	2,100	2,000	1.8	1.3	3,700	2,600
Northeast	65,100	63,100	1.4	1.3	88,900	83,800
Big Stone	5,900	6,300	2.9	2.3	17,200	14,800
Chippewa	5,500	5,500	3.5	2.5	19,100	13,800
Douglas	25,600	25,500	2.9	2.6	75,500	65,900
Grant	6,600	6,400	3.3	2.8	21,500	18,100
Lac Qui Parle	15,800	15,200	3.4	2.6	53,100	39,200
Otter Tail	106,700	109,100	2.8	2.9	295,000	315,200
Pope	23,000	23,100	3.7	3.4	84,800	78,000
Swift	9,500	10,300	3.6	3.4	34,500	34,800
Wilkin						
	7,300	7,200	3.3	2.6	24,000	18,400
Yellow Medicine	11,800	11,700	3.6	3.3	42,700	38,100
Other Counties	14,900	14,600	3.6	3.1	53,700	45,900
West Central	232,600	234,900	3.1	2.9	721,100	682,200
Benton	27,200	25,300	2.6	2.3	70,300	57,900
Carver	21,300	21,500	3.5	3.1	74,700	66,800
Kandiyohi	21,700	21,100	3.8	3.4	82,600	72,400
McLeod	15,100	14,200	3.6	3.7	54,900	52,300
Meeker	15,600	15,300	3.3	3.1	51,800	48,100
Morrison	83,800	78,400	2.9	2.3	239,500	182,500
Renville	7,500	7,600	4.2	4.0	31,300	30,700
Scott	17,000	16,500	3.5	2.5	59,200	40,900
Sherburne	9,900	9,800	2.5	1.7	24,800	16,400
Sibley	11,400	10,800	3.9	3.8	44,400	40,800
Stearns	112,100	107,400	3.7	3.1	412,600	334,000
Todd	69,100	65,900	2.9	2.3	197,800	152,300
Wadena	33,600	32,100	2.1	1.6	70,600	52,600
Wright	30,400	29,300	2.9	3.0	87,900	88,200
Central	475,700	455,200	3.2	2.7	1,502,400	1,235,900

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

ALL HAY: Acreage Harvested, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

	by County	and District,			unueu)	
County	Harvest	ed Acreage		ld Per sted Acre	Produ	uction
and District 1/	2002	2003	2002	2003	2002	2003
		Acres				•
Aitkin	52,100	52,000	1.6	ons 1.3	81,500	ons 65,600
Carlton	38,200	37,400	1.9	1.5	70,700	54,300
Chisago	14,700	14,600	3.0	2.3	44,000	33,100
Crow Wing	33,800	34,600	3.0 1.6	1.3	54,900	45,700
Hennepin	8,900	9,600	3.1	1.8	27,400	16,900
Isanti	15,300	16,000	2.5	1.8	38,000	28,100
Kanabec	34,800	35,700	2.3	2.0	78,300	69,700
Mille Lacs	29,700	30,800	2.3 2.3	2.0 2.1	69,200	65,800
				1.8		
Pine	61,900	60,200	2.2		133,300	108,300
Washington	14,800	15,800	2.9	2.2	42,400	34,200
Other Counties	8,500	9,200	2.4	1.9	20,300	17,500
East Central	312,700	315,900	2.1	1.7	660,000	539,200
Cottonwood	6,900	7,200	3.3	3.1	22,800	22,400
Jackson	5,700	6,000	3.0	3.3	17,100	19,600
Lincoln	17,300	17,300	3.4	3.4	59,400	58,400
Lyon	11,100	11,300	4.0	3.9	44,300	44,000
Murray	13,600	14,500	3.5	3.7	47,300	53,700
Nobles	13,100	13,400	3.1	3.3	41,200	44,800
Pipestone	14,400	13,900	3.2	3.4	46,600	47,400
Redwood	8,300	8,900	3.6	3.5	30,200	31,100
Rock	12,900	12,600	3.2	3.2	40,900	40,200
Southwest	103,300	105,100	3.4	3.4	349,800	361,600
Blue Earth	7,400	7,300	2.9	2.8	21,200	20,500
Brown	10,600	10,600	4.3	3.2	45,400	34,400
Freeborn	8,400	8,200	3.7	3.3	31,200	27,200
Le Sueur	9,000	8,400	3.1	3.4	28,100	28,500
Rice	14,700	14,600	3.5	3.2	51,300	46,300
Steele	9,600	9,600	3.8	3.3	36,100	32,000
Waseca	6,000	5,900	3.7	3.1	22,000	18,200
Other Counties	15,800	16,500	3.6	3.7	56,900	60,300
South Central	81,500	81,100	3.6	3.3	292,200	267,400
D	40.400	10.100	0.7	0.0	44.000	00.000
Dakota	12,100	12,400	3.7	3.0	44,900	36,600
Dodge	8,100	8,000	3.7	3.2	29,700	25,600
Fillmore	50,800	53,000	3.9	3.6	199,200	191,100
Goodhue	35,000	35,500	3.7	3.2	128,400	113,000
Houston	36,100	35,600	3.7	3.8	133,700	135,200
Mower	11,400	12,000	3.5	2.9	40,400	34,700
Olmsted	27,600	27,500	3.6	3.4	100,600	93,800
Wabasha	36,900	38,200	4.2	3.6	153,600	136,100
Winona	46,100	44,600	4.1	4.2	188,500	185,200
Southeast	264,100	266,800	3.9	3.6	1,019,000	951,300
Minnesota	2,100,000	2,075,000	2.8	2.5	5,810,000	5,245,000

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ALFALFA HAY: Acreage Harvested, Yield, and Production, by County and District, Minnesota, 2002-03

County and	Harveste	d Acreage		d Per ted Acre	Produ	ction
District 1/	2002	2003	2002	2003	2002	2003
	Д	cres	To	ons	Toi	าร
Becker	33,600	33,600	2.6	2.6	87,000	
Clay	20,300	21,200	3.3	3.3	68,000	70,000
Clearwater	34,900	34,800	2.2	2.2	76,400	76,500
Kittson	20,500	19,500	2.4	2.9	48,600	56,500
Mahnomen	16,400	15,800	3.0	2.4	49,200	37,900
Marshall	27,300	26,800	2.3	2.1	62,000	56,300
Norman	11,800	11,900	3.0	2.9	35,800	34,500
Pennington	22,800	22,400	2.5	2.8	57,700	62,700
Polk	26,900	27,800	2.7	2.5	71,800	69,500
Red Lake	13,500	13,100	2.7	3.0	36,300	39,300
Roseau	36,500	38,200	2.2	2.5	81,400	95,500
Northwest	264,500	265,100	2.5	2.6	674,200	686,100
Northwoot	204,000	200,100	2.0	2.0	07 4,200	000,100
Beltrami	32,100	32,000	2.2	2.0	70,300	64,000
Cass	11,800	10,000	2.1	1.3	25,000	13,000
Hubbard	9,000	8,900	2.3	1.8	20,400	16,000
Itasca	8,300	8,000	2.0	1.5	16,900	12,000
Koochiching	11,500	10,000	1.9	1.6	21,600	16,000
Lake of the Woods	7,300	7,100	1.6	1.7	11,600	12,100
North Central	80,000	76,000	2.1	1.8	165,800	133,100
St Louis	9,000	8,900	1.9	2.1	16,700	18,600
Other Counties	500	400	2.6	2.0	1,300	800
Northeast	9,500	9,300	1.9	2.1	18,000	19,400
Big Stone	4,100	4,200	3.5	2.8	14,300	11,800
Chippewa	4,000	3,800	3.7	2.8	14,900	10,600
Douglas	21,500	21,300	3.1	2.7	67,500	57,500
Grant	5,400	5,300	3.6	3.0	19,300	15,900
Lac Qui Parle	10,700	10,500	3.9	3.1	41,700	32,600
Otter Tail	85,100	86,500	3.0	3.2	257,000	276,800
Pope	19,700	19,200	3.9	3.7	77,400	71,000
Stevens	7,000	7,000	3.9	3.2	27,400	22,400
Swift	7,900	8,200	4.1	3.8	32,100	31,200
Traverse	6,500	5,900	3.7	3.5	23,900	20,700
Wilkin	6,000	5,800	3.8	2.8	22,500	16,200
Yellow Medicine	9,600	9,200	4.0	3.6	38,400	33,100
West Central	187,500	186,900	3.4	3.2	636,400	599,800
Benton	18,700	16,500	3.0	2.5	55,900	41,200
Carver	17,700	17,400	3.8	3.3	67,100	57,400
Kandiyohi	18,600	17,800	4.1	3.7	76,300	65,800
McLeod	11,500	10,700	4.1	4.3	46,800	46,000
Meeker	13,100	12,700	3.6	3.4	47,200	43,200
Morrison	48,500	42,800	3.5	2.6	169,300	111,300
	6,400	6,600	4.4		28,400	29,000
Renville Scott	13,300	12,700	3.8	4.4 2.8	50,900	35,600
Sherburne	7,700	7,300	3.6 2.8	2.o 1.7	21,400	12,400
	8,900					
Sibley		8,200	4.4	4.3	39,300	35,300
Stearns	91,800	86,900	4.0	3.3	369,000	286,800
Todd	49,400	44,700	3.3	2.6	161,500	116,200
Wadena	17,300	15,600	2.8	2.1	49,100	32,800
Wright	25,900	24,700	3.1	3.2	79,000	79,000
Central	348,800	324,600	3.6	3.1	1,261,200	992,000

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ALFALFA HAY: Acreage Harvested, Yield, and Production, by County and District, Minnesota, 2002-03 (continued)

County	Harveste	d Acreage		d Per ed Acre	Produ	uction
and District 1/						
District 1/	2002	2003	2002	2003	2002	2003
		<u>cres</u>		<u>ns</u>	<u>To</u>	
Aitkin	8,300	8,200	2.1	1.6	17,600	13,100
Carlton	11,000	11,200	2.2	1.8	24,700	20,200
Chisago	11,100	10,700	3.4	2.4	37,500	25,700
Crow Wing	10,300	10,500	2.3	1.6	23,200	16,800
Hennepin	7,200	7,900	3.4	1.8	24,200	14,200
Isanti	11,600	12,500	2.8	1.8	32,400	22,500
Kanabec	13,700	13,800	3.0	2.2	41,400	30,300
Mille Lacs	11,200	12,200	3.0	2.8	34,000	34,200
Pine	22,100	19,900	2.7	2.2	60,100	43,800
Washington	11,800	12,700	3.1	2.3	36,500	29,200
Other Counties	6,300	6,900	2.6	2.0	16,600	13,800
East Central	124,600	126,500	2.8	2.1	348,200	263,800
Cottonwood	5,700	5,800	3.5	3.4	20,100	19,700
Jackson	4,100	4,200	3.6	3.8	14,600	16,000
Lincoln	14,900	14,700	3.6	3.6	54,200	52,900
Lyon	9,900	10,200	4.2	4.1	41,600	41,800
Murray	11,500	12,100	3.7	4.0	42,900	48,400
Nobles	9,600	9,500	3.7	3.9	35,100	37,000
Pipestone	11,000	10,700	3.6	3.8	39,700	40,700
Redwood	7,200	7,800	3.9	3.7	27,900	28,900
Rock	8,500	8,100	3.8	3.8	32,300	30,800
Southwest	82,400	83,100	3.7	3.8	308,400	316,200
Blue Earth	4,200	3,700	3.3	3.4	13,900	12,600
Brown	9,200	9,100	4.7	3.4	43,100	30,900
Faribault	2,700	2,500	3.5	4.2	9,500	10,500
Freeborn	7,100	6,900	3.9	3.5	27,800	24,200
Le Sueur	7,300	6,500	3.4	3.7	24,500	24,100
Martin	3,300	3,400	4.0	4.1	13,100	13,900
Nicollet	5,300	5,400	4.1	4.1	21,700	22,100
Rice	12,600	12,500	3.7	3.3	46,400	41,300
Steele	8,300	8,400	4.0	3.5	33,400	29,400
Waseca	5,000	4,800	3.9	3.3	19,600	15,800
Watonwan	1,700	1,800	3.6	3.5	6,100	6,300
South Central	66,700	65,000	3.9	3.6	259,100	231,100
Dakota	9,900	10,100	3.9	3.1	38,600	31,300
Dodge	7,000	6,800	3.9	3.4	27,400	23,100
Fillmore	46,900	48,800	4.1	3.7	190,900	180,600
Goodhue	31,800	32,100	3.8	3.3	119,900	105,900
Houston	33,100	32,800	3.8	3.9	127,100	127,900
Mower	9,400	9,900	3.8	3.0	35,500	29,700
Olmsted	24,700	24,700	3.8	3.5	93,100	86,500
Wabasha	33,000	34,200	4.3	3.7	142,900	126,500
Winona	40,200	39,100	4.3	4.4	173,300	172,000
Southeast	236,000	238,500	4.0	3.7	948,700	883,500
Minnesota	1,400,000	1,375,000	3.3	3.0	4,620,000	4,125,000

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BARLEY: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

by County and District, Minnesota, 2002-03											
County and	Planted	Acreage	Harveste	d Acreage	Yield Harvest		Pro	duction			
District 1/	2002	2003	2002	2003	2002	2003	2002	2003			
	Ac	res	Ac	res	Busl	hels	F	Bushels			
Clay	5,300	7,000	5,000	6,800	45.0	69.0	225,000	469,200			
Kittson	8,600	8,600	8,000	8,300	45.0	82.0	360,000	680,600			
Mahnomen	3,500	4,900	2,900	4,700	35.0	71.0	101,500	333,700			
Marshall	38,900	41,600	35,500	39,900	41.0	81.2	1,455,500	3,240,000			
Norman	12,300	11,100	7,600	10,300	36.0	72.7	273,600	748,800			
Pennington	9,900	9,600	8,300	9,300	32.0	76.0	265,600	706,800			
Polk	19,300	19,500	16,500	18,700	45.0	77.4	742,500	1,447,600			
Red Lake	3,400	3,600	2,600	3,500	33.0	81.0	85,800	283,500			
Roseau	32,200	30,400	17,900	29,300	25.0	82.3	447,500	2,410,800			
Other Counties	2,500	1,900	2,200	1,600	43.7	63.3	96,200	101,300			
Northwest	135,900	138,200	106,500	132,400	38.1	78.7	4,053,200	10,422,300			
Beltrami	1,300	1,000	1,200	900	30.0	58.0	36,000	52,200			
Lake of the Woods		2,000		1,800		72.0		129,600			
Other Counties	1,600	500	1,100	400	27.9	62.0	30,700	24,800			
North Central	2,900	3,500	2,300	3,100	29.0	66.6	66,700	206,600			
Other Counties	300	100	200	100	22.0	60.0	4,400	6,000			
Northeast	300	100	200	100	22.0	60.0	4,400	6,000			
							•	,			
Douglas	1,500	1,700	1,400	1,500	38.0	61.6	53,200	92,400			
Grant	1,600	2,100	1,500	1,900	54.0	66.3	81,000	126,000			
Otter Tail	4,600	4,600	4,100	3,900	43.0	58.4	176,300	227,800			
Traverse	1,900	2,700	1,800	2,500	56.0	70.0	100,800	175,000			
Wilkin	3,900	3,900	3,800	3,400	61.0	70.0	231,800	238,000			
Other Counties	800	1,900	800	1,500	50.5	55.5	40,400	83,300			
West Central	14,300	16,900	13,400	14,700	51.0	64.1	683,500	942,500			
Benton	1,300	1,200	500	1,100	32.0	34.0	16,000	37,400			
Meeker	1,000		900		41.0		36,900				
Morrison	1,900	1,800	1,500	1,000	45.0	42.0	67,500	42,000			
Stearns	7,700	6,400	5,400	4,600	48.0	61.0	259,200	280,600			
Todd	3,000	2,100	2,800	1,100	34.0	45.0	95,200	49,500			
Wadena	1,900	1,300	1,700	1,000	60.0	56.1	102,000	56,100			
Wright Other Counties	1,000	2.400	700	1 000	34.0	 50.0	23,800	104.000			
	2,400	3,400	2,000	1,800	53.0 45.6	58.3 53.8	106,000	104,900			
Central	20,200	16,200	15,500	10,600	45.6	55.6	706,600	570,500			
Other Counties	2,000	2,200	1,700	1,200	33.3	39.2	56,600	47,000			
East Central	2,000	2,200	1,700	1,200	33.3	39.2	56,600	47,000			
Pipestone	2,500	2,500	2,100	2,100	53.0	72.0	111,300	151,200			
Other Counties	2,200	1,700	1,900	1,200	53.8	76.2	102,200	91,400			
Southwest	4,700	4,200	4,000	3,300	53.4	73.5	213,500	242,600			
Other Counties	1,700	1,500	1,200	900	55.1	69.3	66,100	62,400			
South Central	1,700	1,500	1,200	900	55.1	69.3	66,100	62,400			
Goodhue	1,500	1,400	900	700	59.0	64.0	53,100	44,800			
Wabasha	1,800	1,800	1,100	700	51.0	68.0	56,100	47,600			
Winona	1,700	1,300	1,100	400	65.0	68.0	71,500	27,200			
Other Counties	3,000	2,700	2,100	1,900	56.5	68.7	118,700	130,500			
Southeast	8,000	7,200	5,200	3,700	57.6	67.6	299,400	250,100			
Minnesota	190,000	190,000	150,000	170,000	41.0	75.0	6,150,000	12,750,000			

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BARLEY: Percent Seeded by Selected Variety, Minnesota, 1999-2003

		2003				
Variety	1999	2000	2001	2002	2003	Acres Planted
Conlon	1/	1/	1/	1/	2.0	3,800
Excel	2.1	1.7	1/	1.8	2.2	4,100
Lacey	1/	1/	9.6	29.1	32.3	61,400
Legacy	1/	1/	1/	2.1	1.3	2,400
Robust	63.9	77.9	74.4	56.7	57.3	108,900
Royal	1/	2.1	2.0	2.8	1.5	2,900
Stander	25.0	11.9	7.4	3.2	1.5	2,800
Other	9.0	6.4	6.6	4.3	1.9	3,700
Total	100.0	100.0	100.0	100.0	100.0	190,000



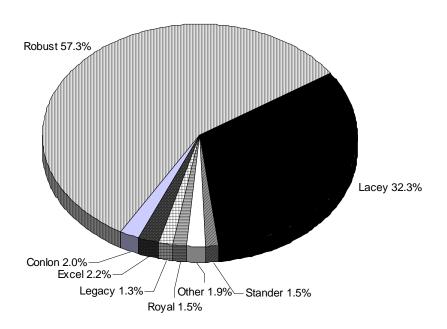
1/ Less than one percent, included in Other varieties. Note: Percents may not add to 100 due to rounding.

BARLEY: Acreage Seeded, by District and Variety, Minnesota, 2003

271112211 71010ago 000a0a, by 21011101 and 1 anioty, minimootia, 2000											
Variety	Northwest	West Central	Central	Southeast	Other Districts	State					
			Α	cres							
Conlon	3,800	1/	1/	1/	1/	3,800					
Excel	3,900	1/	100	1/	100	4,100					
Lacey	48,900	4,700	3,000	1,300	3,500	61,400					
Legacy	2,000	1/	300	100	1/	2,400					
Robust	73,000	11,400	13,800	3,600	7,100	108,900					
Royal	1/	1/	400	2,000	500	2,900					
Stander	700	1/	700	700	700	2,800					
Other	600	800	1,200	400	700	3,700					
Total	132,900	16,900	19,500	8,100	12,600	190,000					

^{1/} Varieties with less than 0.5 percent of district total are included in Other.

BARLEY: PERCENT OF TOTAL SEEDED, MINNESOTA, 2003

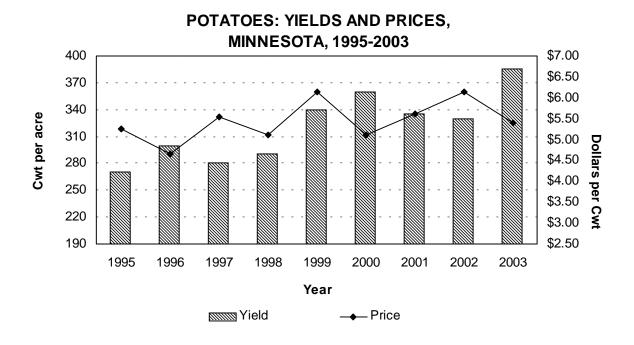


Note: "Other" includes varieties with less than one percent of the state's 2003 barley acreage

POTATOES: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

County and	Planted	Planted Acreage		ted Acreage		ield Per ested Acre	Pro	duction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>A</u>	<u>cres</u>		<u>Acres</u>		<u>Cwt</u>		<u>Cwt</u>
Clay	2,600	3,200	2,300	3,100	195	225	448,500	697,500
Kittson	2,200	1,700	1,500	1,600	175	165	262,500	264,000
Marshall	2,800	2,400	2,000	2,200	155	160	310,000	352,000
Polk	8,300	6,900	6,600	6,600	195	225	1,287,000	1,485,000
Red Lake	1,100	1,000	900	1,000	165	230	148,500	230,000
Other Counties	4,000	4,300	3,900	4,200	413	480	1,610,000	2,017,000
Northwest	21,000	19,500	17,200	18,700	236	270	4,066,500	5,045,500
Benton	3,000	2,100	2,600	1,900	275	430	715,000	817,000
Morrison	2,900	2,900	2,800	2,700	380	365	1,064,000	985,500
Sherburne	8,200	7,600	7,900	7,400	315	365	2,488,500	2,701,000
Todd	1,900	2,000	1,900	1,900	360	395	684,000	750,500
Other Counties	3,600	4,700	3,600	4,600	405	486	1,456,500	2,235,500
Central	19,600	19,300	18,800	18,500	341	405	6,408,000	7,489,500
Freeborn	2,000	2,200	2,000	2,200	300	320	600,000	704,000
Other Counties	400	200	400	200	300	310	120,000	62,000
South Central	2,400	2,400	2,400	2,400	300	319	720,000	766,000
Other Districts	19,000	18,800	18,600	18,400	409	491	7,615,500	9,029,000
Minnesota	62,000	60,000	57,000	58,000	330	385	18,810,000	22,330,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties. Counties where one producer represents more than 60 percent of the total county data are not listed separately, but are combined under Other Counties or Other Districts.



SUGARBEETS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

Country		County	113 213111	J., 141111110		d Per		
County and	Planted	Acreage	Harveste	d Acreage		ted Acre	Pro	duction
District 1/		2003			2002	2003		
District 17	2002	res	2002	2003 cres		ns	2002 T	2003
Becker	9,000	10,300	8,900	10,200	18.2	20.5	161,600	ons 209,000
Clay	57,500	55,000	56,200	54,500	16.8	19.4	941,500	1,057,500
Kittson	38,400	34,100	37,800	33,800	17.6	20.1	663,600	679,200
Mahnomen	4,600	4,400	4,500	4,300	12.4	19.7	55,700	84,800
Marshall	46,600	45,400	44,600	44,900	16.9	19.2	755,400	861,700
Norman	46,100	46,300	42,100	45,600	14.9	20.3	625,700	923,900
Polk	102,900	99,200	99,400	98,100	17.8	21.3	1,764,700	2,090,500
Red Lake	1,300	1,100	1,300	1,000	14.8	23.9	19,200	23,900
Other Counties	200	100	200	100	20.0	23.0	4,000	2,300
Northwest	306,600	295,900	295,000	292,500	16.9	20.3	4,991,400	5,932,800
Chippewa	34,300	31,500	29,500	31,400	21.4	22.3	632,600	700,500
Grant	11,200	12,500	11,100	12,400	20.4	17.6	226,600	217,800
Otter Tail	4,000	4,100	3,900	4,100	19.8	20.0	77,300	82,100
Pope	3,100	3,200	3,100	3,200	20.0	22.0	61,900	70,400
Stevens	3,800	3,300	3,700	3,200	22.5	22.0	83,300	70,300
Swift	6,200	6,200	5,400	6,200	21.3	20.9	114,900	129,700
Traverse	10,500	10,800	10,400	10,500	21.0	18.5	218,400	194,200
Wilkin	49,500	48,100	49,000	47,500	22.0	20.6	1,077,700	980,500
Yellow Medicine	3,300	3,000	2,900	3,000	23.7	23.5	68,800	70,600
Other Counties	1,300	1,100	1,200	1,100	14.8	17.2	17,800	18,900
West Central	127,200	123,800	120,200	122,600	21.5	20.7	2,579,300	2,535,000
Kandiyohi	14,400	15,500	10,600	15,200	22.1	22.3	233,800	338,500
McLeod	1,500	2,300	1,500	2,300	18.9	19.7	28,400	45,400
Meeker	1,500	2,200	800	2,200	18.8	21.4	15,000	47,000
Renville	43,300	40,400	39,000	40,300	21.5	21.7	839,900	874,500
Sibley	3,600	3,100	3,200	3,100	19.6	21.0	62,700	65,000
Stearns	2,100	2,500	1,600	2,500	19.1	20.8	30,600	52,100
Central	66,400	66,000	56,700	65,600	21.3	21.7	1,210,400	1,422,500
Redwood	3,900	5,100	3,500	5,100	17.8	22.8	62,300	116,200
Other Counties	500	600	400	600	15.3	19.5	6,100	11,700
Southwest	4,400	5,700	3,900	5,700	17.5	22.4	68,400	127,900
Other Districts	400	600	200	600	22.5	23.0	4,500	13,800
Minnesota	505,000	492,000	476,000	487,000	18.6	20.6	8,854,000	10,032,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



2004 Minnesota Agricultural Statistics

DRY EDIBLE BEANS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

County					-	ld Per		
and	Planted	l Acreage	Harves	ted Acreage	Harves	ted Acre	Prod	uction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>A</u>	<u>cres</u>	<u>Ac</u>	res	<u>Po</u>	unds	<u>C</u>	<u>Cwt</u>
Becker	2,000	1,000	1,900	900	1,550	1,600	29,450	14,400
Clay	4,600	2,500	4,500	2,400	1,800	1,800	81,000	43,200
Kittson	3,800	1,100	2,400	1,000	1,350	1,500	32,400	15,000
Mahnomen	3,000	2,000	2,600	1,900	1,550	1,700	40,300	32,300
Marshall	16,800	10,800	13,700	10,500	1,200	1,600	164,400	168,000
Norman	6,400	3,300	6,300	2,900	1,500	1,450	94,500	42,050
Polk	56,700	42,400	49,700	41,000	1,450	1,500	720,650	615,000
Red Lake	1,400	1,100	1,300	900	1,600	1,500	20,800	13,500
Other Counties	900	400	600	400	1,558	1,500	9,350	6,000
Northwest	95,600	64,600	83,000	61,900	1,437	1,534	1,192,850	949,450
Hubbard	7,400	7,800	7,300	7,600	2,100	2,200	153,300	167,200
Other Counties	800	700	700	700	1,614	1,679	11,300	11,750
North Central	8,200	8,500	8,000	8,300	2,058	2,156	164,600	178,950
Chippewa	2,800	2,000	2,400	1,900	2,200	2,300	52,800	43,700
Grant	4,700	1,500	4,500	1,400	1,700	1,650	76,500	23,100
Otter Tail	11,800	9,900	11,400	9,700	1,850	1,750	210,900	169,750
Pope	2,700	2,000	2,600	1,900	2,350	2,000	61,100	38,000
Stevens	2,400	2,200	2,300	1,900	2,400	2,100	55,200	39,900
Swift	4,800	2,100	4,700	2,000	2,350	1,800	110,450	36,000
Traverse	1,300	1,200	1,300	800	2,450	1,700	31,850	13,600
Wilkin	1,100		1,100		2,050		22,550	
Other Counties	1,800	2,400	1,700	2,200	2,000	1,648	34,000	36,250
West Central	33,400	23,300	32,000	21,800	2,048	1,836	655,350	400,300
Benton	1,500		1,500		1,850		27,750	
Kandiyohi	5,600	3,300	5,500	3,200	1,950	1,950	107,250	62,400
Morrison	5,300	3,500	5,200	3,400	1,650	1,650	85,800	56,100
Renville	6,800	3,400	6,700	3,300	2,650	2,150	177,550	70,950
Sherburne	2,200	1,200	2,100	1,100	2,150	2,100	45,150	23,100
Stearns	1,600	1,300	1,600	1,200	1,850	1,800	29,600	21,600
Todd	1,100		1,000		1,500		15,000	
Wadena	5,100	2,700	5,000	2,600	1,800	1,650	90,000	42,900
Other Counties	2,200	2,200	2,100	2,200	2,150	1,911	45,150	42,050
Central	31,400	17,600	30,700	17,000	2,030	1,877	623,250	319,100
Other Districts	1,400	1,000	1,300	1,000	2,304	2,220	29,950	22,200
Minnesota	170,000	115,000	155,000	110,000	1,720	1,700	2,666,000	1,870,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



ALL SUNFLOWERS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

County	Planted	Acreage	Harveste	ed Acreage		d Per ed Acre	Prod	uction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>Ac</u>	<u>cres</u>	<u>Ac</u>	<u>Acres</u>		<u>nds</u>	<u>Po</u>	<u>unds</u>
Clay	6,300	6,000	6,200	5,800	1,398	1,666	8,670,000	9,660,000
Kittson	6,800	10,300	6,600	10,100	1,375	1,671	9,075,000	16,875,000
Marshall	10,900	13,800	10,400	13,600	1,238	1,763	12,880,000	23,980,000
Norman	9,500	13,000	9,300	12,700	1,233	1,460	11,470,000	18,545,000
Pennington	3,400	3,700	3,200	3,500	1,186	1,796	3,795,000	6,285,000
Polk	6,900	7,500	6,700	7,300	1,449	1,705	9,710,000	12,450,000
Red Lake	1,500	2,000	1,400	1,900	1,136	1,684	1,590,000	3,200,000
Roseau	11,600	14,200	7,400	14,000	1,046	1,523	7,740,000	21,315,000
Other Counties	1,300	1,700	1,300	1,700	1,219	1,579	1,585,000	2,685,000
Northwest	58,200	72,200	52,500	70,600	1,267	1,629	66,515,000	114,995,000
Other Counties		1,300		1,300		1,204		1,565,000
North Central		1,300		1,300		1,204		1,565,000
Otter Tail	2,900	3,900	2,900	3,800	1,560	1,592	4,525,000	6,050,000
Traverse		1,700		1,700		1,035		1,760,000
Wilkin	5,200	6,500	5,000	6,300	1,234	1,838	6,170,000	11,580,000
Other Counties	500	2,100	500	2,100	1,550	1,548	775,000	3,250,000
West Central	8,600	14,200	8,400	13,900	1,365	1,629	11,470,000	22,640,000
Other Counties	2,200	2,000	2,100	1,900	1,579	1,200	3,315,000	2,280,000
Central	2,200	2,000	2,100	1,900	1,579	1,200	3,315,000	2,280,000
Other Districts	1,000	300	1,000	300	1,550	1,067	1,550,000	320,000
Minnesota	70,000	90,000	64,000	88,000	1,295	1,611	82,850,000	141,800,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



OIL SUNFLOWERS: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

County				<u> </u>	Yiel	d Per		
and	Planted	Acreage	Harveste	d Acreage	Harves	ted Acre	Produ	ıction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	<u>Acres</u>		<u>Acı</u>	res	<u>Pou</u>	<u>nds</u>	<u>Pou</u>	<u>nds</u>
Clay	4,500	4,900	4,400	4,800	1,500	1,700	6,600,000	8,160,000
Kittson	3,400	6,200	3,300	6,100	1,550	1,750	5,115,000	10,675,000
Marshall	8,400	10,100	8,000	10,000	1,250	1,750	10,000,000	17,500,000
Norman	3,200	5,200	3,100	5,100	1,400	1,550	4,340,000	7,905,000
Pennington	1,100	1,700	1,100	1,600	1,350	1,850	1,485,000	2,960,000
Polk	4,100	4,700	4,000	4,600	1,550	1,650	6,200,000	7,590,000
Roseau	5,300	7,000	3,400	6,900	1,100	1,700	3,740,000	11,730,000
Other Counties	1,800	2,000	1,700	2,000	1,312	1,563	2,230,000	3,125,000
Northwest	31,800	41,800	29,000	41,100	1,369	1,695	39,710,000	69,645,000
Wilkin	2,200	3,800	2,100	3,700	1,350	1,900	2,835,000	7,030,000
Other Counties	3,000	6,200	3,000	6,100	1,537	1,426	4,610,000	8,700,000
West Central	5,200	10,000	5,100	9,800	1,460	1,605	7,445,000	15,730,000
Other Counties	2,200		2,100		1,579		3,315,000	
Central	2,200		2,100		1,579		3,315,000	
Other Districts	800	3,200	800	3,100	1,663	1,202	1,330,000	3,725,000
Minnesota	40,000	55,000	37,000	54,000	1,400	1,650	51,800,000	89,100,000

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

FLAXSEED: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

County				District,		d Per			
and	Planted Acreage		Harvested Acreage			ed Acre	Production		
District 1/	2002	2003	2002	2003	2002	2003	2002	2003	
	<u>A</u>	cres	<u>Acres</u>		Bushels		<u>Bu</u> :	shels	
Roseau	1,600	3,700	1,000	3,300	12.0	24.0	12,000	79,200	
Other Counties	2,400	2,600	2,300	2,300	17.5	24.4	40,300	56,100	
Northwest	4,000	6,300	3,300	5,600	15.8	24.2	52,300	135,300	
North Central		1,100		900		19.0		17,100	
Other Districts	1,000	600	700	500	16.7	17.2	11,700	8,600	
Minnesota	5,000	8,000	4,000	7,000	16.0	23.0	64,000	161,000	

^{1/} Counties with less than 1,000 acres planted for all purpose are not listed separately, but are combined under Other counties or other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.

SWEET CORN FOR PROCESSING: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

	by County and District, Willing					103014, 2002-03			
County	Di		11	. 1 A		ld Per	D		
and		l Acreage		ed Acreage	Harves	sted Acre		luction	
District 1/	2002	2003	2002	2003	2002	2003	2002	2003	
	Ac	res	Ac	res	Te	ons	T	ons	
Pope	2,000	1,700	1,900	1,600	6.9	6.3	13,100	10,100	
Other Counties	200	400	200	400	6.0	5.5	1,200	2,200	
West Central	2,200	2,100	2,100	2,000	6.8	6.2	14,300	12,300	
West Contra	2,200	2,100	2,100	2,000	0.0	0.2	14,000	12,500	
Kandiyohi	3,100	3,300	3,000	3,200	7.1	6.3	21,300	20,200	
McLeod	2,100	1,900	2,000	1,800	6.8	6.9	13,600	12,400	
Meeker	1,300	1,200	1,200	1,100	6.6	7.1	7,900	7,800	
Renville	27,300	29,400	25,700	29,300	6.5	6.9	167,030	202,200	
Sibley	10,200	8,700	9,600	8,600	5.8	6.9	55,700	59,300	
Stearns	1,300		1,200		6.0		7,200		
Other Counties	1,600	2,400	1,500	2,300	6.7	6.6	10,000	15,200	
Central	46,900	46,900	44,200	46,300	6.4	6.9	282,730	317,100	
	40,000	40,000	44,200	40,000	0.4	0.0	202,700	017,100	
Redwood	6,300	6,900	6,000	6,800	6.6	7.3	39,600	49,600	
Other Counties	100	200	100	200	6.0	7.0	600	1,400	
Southwest	6,400	7,100	6,100	7,000	6.6	7.3	40,200	51,000	
	,	•	•	,			,	•	
Blue Earth	2,500	2,200	2,300	2,100	6.4	6.7	14,700	14,100	
Brown	8,600	10,600	8,200	10,400	5.9	7.0	48,400	72,800	
Faribault	7,300	6,100	6,400	6,000	6.8	7.3	43,500	43,800	
Freeborn	10,000	9,500	9,200	9,400	7.2	7.7	66,300	72,400	
Le Sueur	1,800	1,400	1,600	1,300	6.4	6.2	10,200	8,100	
Martin	2,100	2,200	1,900	2,100	7.0	7.5	13,300	15,700	
Nicollet	3,800	3,000	3,600	2,900	5.8	6.8	20,900	19,700	
Steele	8,100	8,600	6,800	8,100	6.4	6.6	43,500	53,500	
Waseca	7,000	6,500	6,700	6,400	6.6	6.9	44,200	44,200	
Other Counties	1,400	1,400	1,300	1,300	6.6	7.0	8,600	9,100	
South Central	52,600	51,500	48,000	50,000	6.5	7.1	313,600	353,400	
				·			·	·	
Dakota	5,600	3,200	5,200	3,100	5.8	6.8	30,200	21,100	
Dodge	3,700	2,900	3,300	2,900	7.1	6.4	23,400	18,600	
Fillmore		1,500		1,500		5.5		8,200	
Goodhue	5,600	5,100	5,100	5,000	6.1	6.2	31,100	31,000	
Mower	10,000	8,400	9,100	8,300	7.2	5.9	65,500	49,000	
Olmsted	8,200	8,300	7,700	8,200	6.2	5.7	47,800	46,700	
Wabasha	4,600	4,500	4,200	4,400	5.7	5.9	23,900	26,000	
Other Counties	1,400	500	1,200	500	6.4	6.2	7,700	3,100	
Southeast	39,100	34,400	35,800	33,900	6.4	6.0	229,600	203,700	
Other Districts	800	200	700	200	6.0	6.5	4,200	1,300	
Minnesota	148,000	142,200	136,900	139,400	6.5	6.7	884,630	938,800	

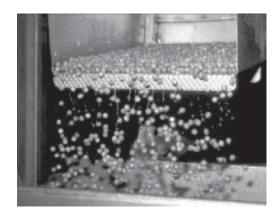
^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



GREEN PEAS FOR PROCESSING: Acreage, Yield, and Production, by County and District, Minnesota, 2002-03

County and	Planted	Acreage	Harveste	ed Acreage		d Per ted Acre	Pro	oduction
District 1/	2002	2003	2002	2003	2002	2003	2002	2003
	A	cres	A	cres	T	ons	T	ons
Other Counties	1,200	1,500	1,100	1,400	1.09	1.93	1,200	2,700
West Central	1,200	1,500	1,100	1,400	1.09	1.93	1,200	2,700
Kandiyohi	1,300	2,800	1,200	2,700	1.00	1.81	1,200	4,900
McLeod	1,600	1,000	1,200	900	0.92	1.67	1,100	1,500
Meeker	1,900	3,100	1,600	2,900	1.19	1.31	1,900	3,800
Renville	13,100	19,100	12,500	18,000	1.10	1.80	13,770	32,310
Sibley	5,500	5,900	5,200	5,600	0.90	1.89	4,700	10,600
Other Counties	1,100	1,100	1,100	1,000	1.09	2.00	1,200	2,000
Central	24,500	33,000	22,800	31,100	1.05	1.77	23,870	55,110
Redwood	3,200	3,200	2,700	3,100	1.70	2.81	4,600	8,700
Other Counties	100		100		1.00		100	
Southwest	3,300	3,200	2,800	3,100	1.68	2.81	4,700	8,700
Blue Earth	1,200	1,500	1,100	1,400	1.36	1.71	1,500	2,400
Brown	4,200	5,400	4,000	5,100	1.60	2.29	6,400	11,700
Faribault	3,900	3,300	3,700	2,700	1.30	1.52	4,800	4,100
Freeborn	1,900	2,600	1,800	2,400	1.61	1.58	2,900	3,800
Le Sueur	1,500	1,200	1,400	1,100	1.29	1.73	1,800	1,900
Martin	2,600	2,200	2,500	2,000	1.28	1.80	3,200	3,600
Nicollet	1,900	1,700	1,800	1,600	0.72	1.69	1,300	2,700
Steele	4,500	3,200	3,900	2,900	1.31	2.00	5,100	5,800
Waseca	2,600	2,500	2,300	2,100	1.48	1.90	3,400	4,000
Other Counties	1,000	1,100	1,000	900	1.40	1.78	1,400	1,600
South Central	25,300	24,700	23,500	22,200	1.35	1.87	31,800	41,600
Dakota	6,800	7,000	6,200	6,500	1.21	1.71	7,500	11,100
Dodge	2,000	1,900	1,900	1,800	1.58	2.11	3,000	3,800
Goodhue	3,000	2,600	2,700	2,400	1.19	2.08	3,200	5,000
Mower	6,100	5,900	5,600	5,200	1.70	2.10	9,500	10,900
Olmsted	4,400	4,900	4,200	4,600	1.71	2.30	7,200	10,600
Wabasha	1,900	2,100	1,800	2,000	1.78	2.50	3,200	5,000
Other Counties	2,000	1,900	2,000	1,500	1.60	2.40	3,200	3,600
Southeast	26,200	26,300	24,400	24,000	1.51	2.08	36,800	50,000
Minnesota	80,500	88,700	74,600	81,800	1.32	1.93	98,370	158,110

^{1/} Counties with less than 1,000 acres planted for all purposes are not listed separately, but are combined under Other Counties or Other Districts. Counties denoted with "--" are also less than 1,000 acres and are included in Other Counties.



GRAIN STOCKS: Specified Crops by Storage Position, Minnesota, 2000-2004 On-Farm **All Storage Positions** Year Mar Jun Sep Dec Mar Jun Dec Sep Corn 1,000 Bushels 2000 540,000 400,000 155,000 760,000 730,196 518,423 251,775 992,615 2001 550.000 405,000 700,000 743,290 284,195 150,000 551,280 910,463 2002 500,000 330,000 441,022 167,487 958,213 80,000 730,000 671,287 2003 510,000 305,000 69,000 892,664 710,000 663,143 396,574 123,079 2004 500,000 662,234 Soybeans 1,000 Bushels 184,604 2000 125,000 78,000 18,500 170,000 40,589 251,633 117,768 140,000 64,000 165,000 34,900 2001 15,500 191,005 95,907 245,247 2002 110,000 50,000 11,500 171,000 163,204 85,259 27,709 249,798 2003 115,000 45,000 7,300 91,000 158,431 73,625 19,578 165,924 2004 55,000 101,876 All Wheat 1,000 Bushels 2000 31,000 18,000 82,000 65,000 58,704 41,787 122,348 90,882 2001 32,000 15,000 72,000 50,000 60,544 36,638 109,092 74,095 2002 31,000 12,000 53,000 35,000 58,370 30,255 88,539 62,972 2003 20,000 12,000 88,000 59,000 46,348 29,327 130,138 86,281 33,000 63,197 2004 **Oats** 1,000 Bushels 12,000 2000 7,000 4,500 15,500 23,782 18,662 29,795 32,734 2001 9,000 5,000 10,500 7,800 26,572 17,231 20,738 25,140 2002 5,000 3,000 10,000 8.000 21.723 15,592 20.367 24,087 2003 5,100 3,300 12,000 9,700 19,242 13,247 25,974 28,030 2004 6,800 20,290 **Barley** 1,000 Bushels 1.400 10.000 35.337 36.706 2000 3.000 12.500 31.211 37.554 28,372 6,100 3,800 30,693 25,762 26,091 2001 5,000 1,500 2002 2,300 1,400 5,400 3,600 22,118 16,158 18,515 15,929

2,500 Note: All estimates are for the first of the month.

2,000

2003

2004

ALL HAY STOCKS: On-Farm Storage Position, Minnesota, 2000-2004

4,800

17,813

26,631

14,120

Year	Мау	Dec
	1,000	<u>) Tons</u>
2000	1,570	4,446
2001	960	4,213
2002	680	4,183
2003	815	3,567
2004	575	·

Note: All estimates are for the first of the month.

700

9,700

21,596

25,095

Corn: Percent Marketed by Month, Minnesota, 1999-2003

Month	1999-00	2000-01	2001-02	2002-03
		Per	cent	
October	13	20	10	12
November	9	8	10	18
December	5	8	4	9
January	9	11	7	10
February	5	5	5	6
March	6	6	4	6
April	4	5	4	6
May	5	5	6	8
June	8	6	13	6
July	10	9	15	7
August	13	11	13	7
September	13	6	9	5

Soybeans: Percent Marketed by Month, Minnesota, 1999-2003

Month	1999-00	2000-01	2001-02	2002-03			
		Percent					
September	9	12	3	7			
October	24	19	20	18			
November	5	7	7	11			
December	6	8	9	10			
January	11	13	12	12			
February	6	6	6	9			
March	7	6	8	7			
April	5	5	4	7			
May	5	7	5	6			
June	6	6	9	5			
July	7	6	10	5			
August	9	5	7	3			

All Wheat: Percent Marketed by Month, Minnesota, 1999-2003

Willingsota, 1999-2009							
Month	1999-00	2000-01	2001-02	2002-03			
		Percent					
July	8	6	5	15			
August	17	15	17	24			
September	9	7	8	13			
October	4	6	5	4			
November	7	8	11	4			
December	11	13	11	12			
January	11	13	8	5			
February	7	7	6	3			
March	8	5	5	5			
April	7	10	4	4			
May	6	6	7	5			
June	5	4	13	6			

Oats: Percent Marketed by Month, Minnesota, 1999-2003

Month	1999-00	2000-01	2001-02	2002-03				
		Percent						
July	14	22	12	18				
August	34	30	30	50				
September	5	6	5	5				
October	6	4	5	2				
November	1	3	4	2				
December	2	2	9	2				
January	6	6	6	4				
February	4	3	6	3				
March	9	6	4	3				
April	5	6	9	5				
May	5	9	5	4				
June	9	3	5	2				

Barley: Percent Marketed by Month, Minnesota, 1999-2003

Month	1999-00	2000-01	2001-02	2002-03		
	Percent					
July	20	9	19	5		
August	18	12	20	4		
September	8	3	7	3		
October	4	2	4	9		
November	5	5	4	2		
December	4	14	7	5		
January	8	19	13	40		
February	9	12	8	10		
March	4	10	3	11		
April	7	8	5	8		
May	2	5	3	2		
June	11	1	7	1		

Note: Months are ordered according to crop marketing year.

Dry Edible Beans: Percent Marketed by Month, Minnesota, 1999-2003

Month	1999-00	2000-01	2001-02	2002-03			
		Percent					
September	40	16	6	22			
October	22	19	39	18			
November	5	10	10	4			
December	5	5	17	17			
January	2	5	12	8			
February	3	9	3	1			
March	6	6	4	7			
April	5	7	4	2			
May	6	6	2	2			
June	3	5	2	9			
July	2	8	1	4			
August	1	4		6			



CULTIVATED WILD RICE

Wild Rice is the only cereal grain native to the United States. In 1977, the State Legislature designated wild rice as Minnesota's official State Grain.

The cultivated crop is grown in the northern one-third of the state on an estimated 23,000 acres in the counties of Aitkin, Beltrami, Cass, Clearwater, Itasca, Koochiching, Polk, and St. Louis.

In 2003, cultivated wild rice production was 4.24 million processed pounds, down 24% from 2002.

Source: Minnesota Cultivated Wild Rice Council

MINNESOTA FERTILIZER USAGE

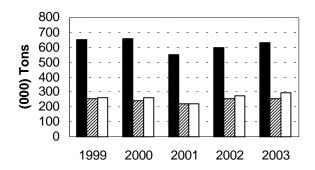
Minnesota fertilizer consumption totaled 2.3 million tons for the year ending June 30, 20 an increase of 10 percent from the previous yea Minnesota was the 10th ranking state in total tonnage.

Usage of the primary nutrients is shown on the chart; nitrogen increased 6 percent from 2002, phosphate (P_20_5) usage increased 1 percent, and potash (K_20) usage increased 8 percent.

Fertilizer consumption represents all commercial fertilizer sold or shipped for farm and non-farm use as fertilizer.

Source: The Association of American Plant Food Control Officials, University of Kentucky

MINNESOTA'S USAGE OF PRIMARY NUTRIENTS AS FERTILIZER



■ Nitrogen

Phosphate

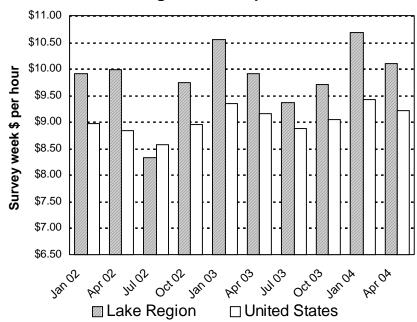
Potash

FARM LABOR

Regional and national data for hired workers, hours worked, and wage rates are published quarterly. Minnesota is included in the Lake Region which also includes Michigan and Wisconsin. Information from the Farm Labor report is used to determine farm labor's effect on production costs, evaluate the impact of wage rate changes, and to define the nation's need for farm labor.

Farm Labor estimates are made at the U.S. and regional levels for January, April, July, and October for the week including the 12th of the month. State level wage rate information is available annually for the October survey period.

ALL HIRED WORKER 1/ Wage Rate Comparison



HIRED WORKERS 1/: Annual Average Wage Rates, Minnesota 1999-2003

Year	All Hired	Field	Field & Livestock
		Dollars per Hour	
1999	8.53	8.67	8.26
2000	8.91	8.67	8.38
2001	9.53	9.90	9.26
2002	9.73	9.76	9.12
2003	10.23	9.80	9.56

^{1/} Excludes Agricultural Service Workers.

FARM LABOR: Farm Workers and Wages by Type of Work, Lake Region, 2002-2004 1/

	Hir	Hired Workers and Hours Worked			Wages, Type of Work			
	Number	•	ed To Be loyed	Number				
	of	150 Days	149 Days	of Hours			1	Field &
Year and Month	Workers	or More	or Less	Worked	All Hired	Field	Livestock	Livestock
		1,000 Workers	3	<u>Hours</u>		<u>Dollars l</u>	Per Hour	
2002								
January	38	33	5	33.5	9.91	10.22	8.26	8.94
April	55	42	13	36.2	9.88	9.43	8.44	9.01
July	62	44	18	34.8	8.33	7.85	7.85	7.85
October	64	41	23	34.7	9.73	9.28	9.11	9.21
2003								
January	45	40	5	31.7	10.54	10.51	9.44	9.65
April	56	36	20	37.0	9.90	9.31	9.20	9.26
July	62	42	20	36.2	9.36	8.34	8.95	8.55
October	72	45	27	37.7	9.70	9.25	9.11	9.20
2004								
January	50	43	7	34.2	10.68	10.11	9.41	9.60
April	57	43	14	35.5	10.10	9.20	9.95	9.60

^{1/} Lake Region includes Minnesota, Michigan, and Wisconsin.